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Panasonic Telephone Systems

Digital Super Hybrid System

KX-TD208E/KX-TD208E-B

Panasonic KX-T7400 Series

Panasonic KX-T7420, KX-T7425, KX-T7431, KX-T7433, KX-T7436, KX-T7453, KX-T7456, KX-T7440, KX-T7441, KX-T7440

Additional Operating Instructions for KX-T7400 Series and Added and Changed Features for the Operating Instructions

This manual provides a special information about the KX-T7400 Series and other added and changed features.

Please refer to this along with the KX-TD208E Operating Instructions.

The last letter “E” or “E-B”of each model number is omitted in this manual.

For Model
KX-TD208E

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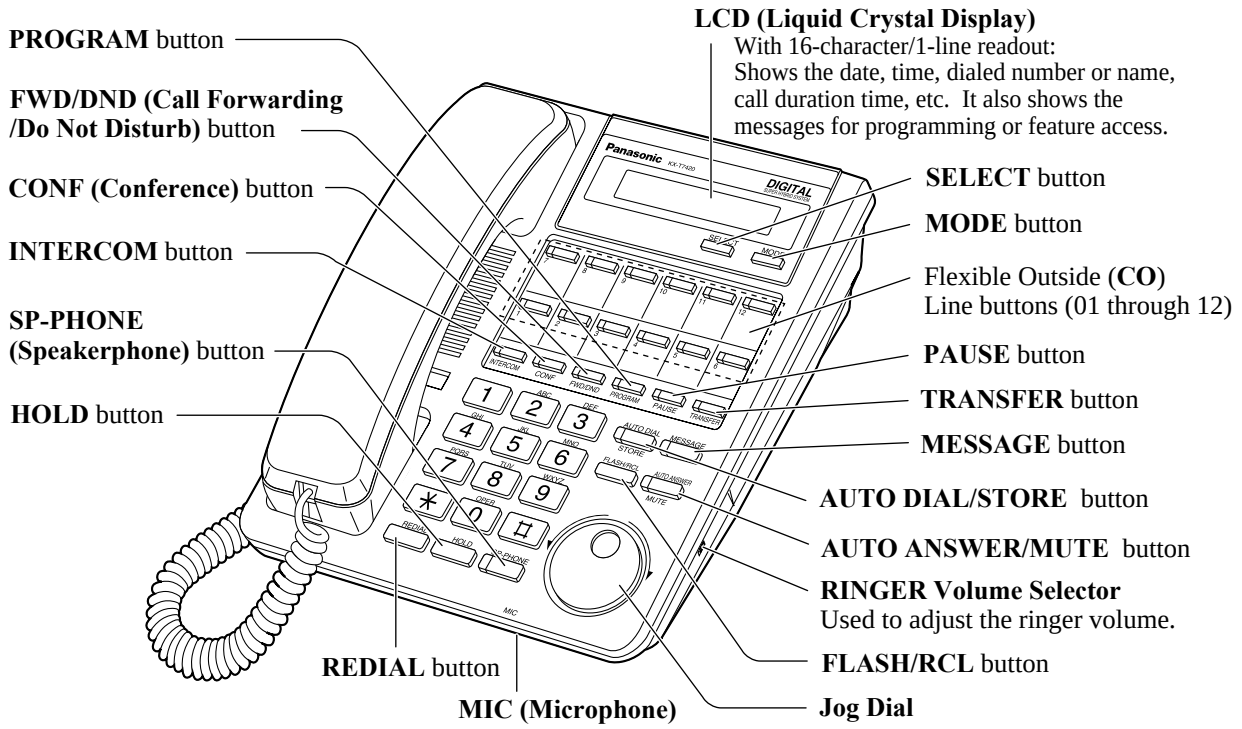
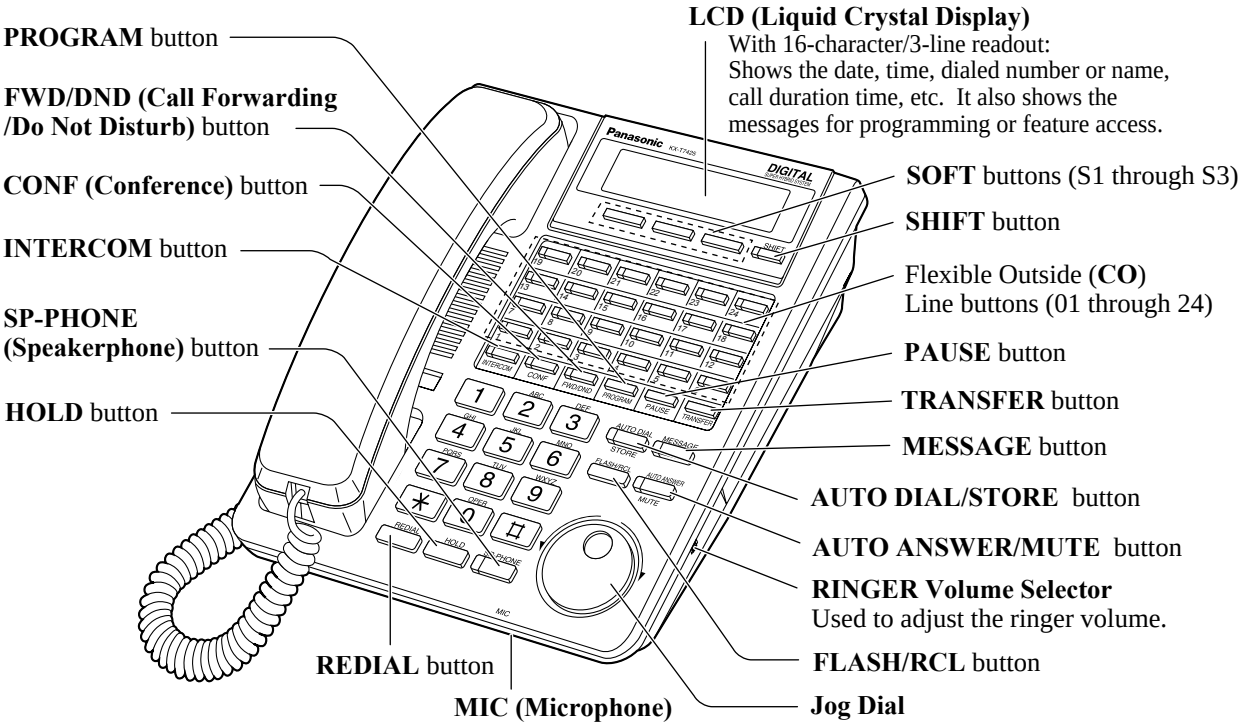
Section 3.14 Programming Table

Location of Controls

■ KX-T7431: Digital Proprietary Telephone

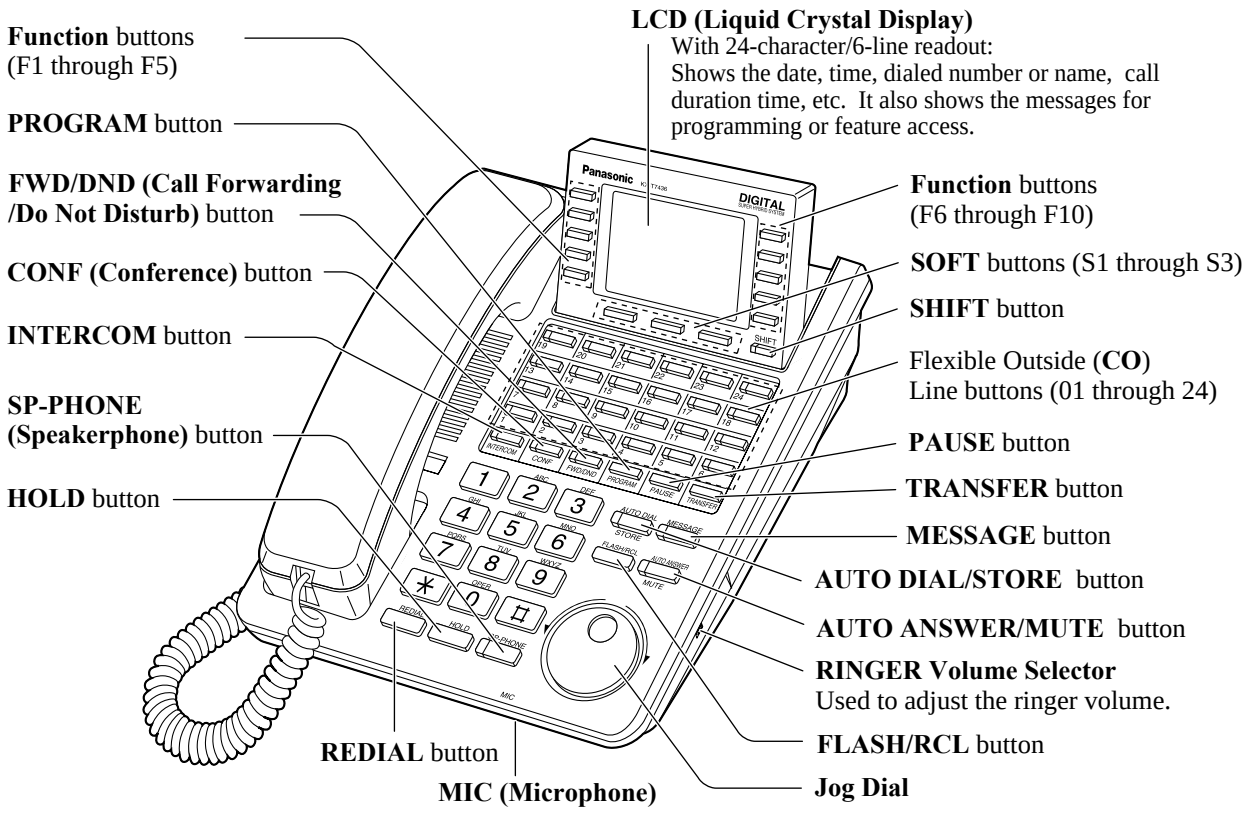


■ KX-T7433: Digital Proprietary Telephone

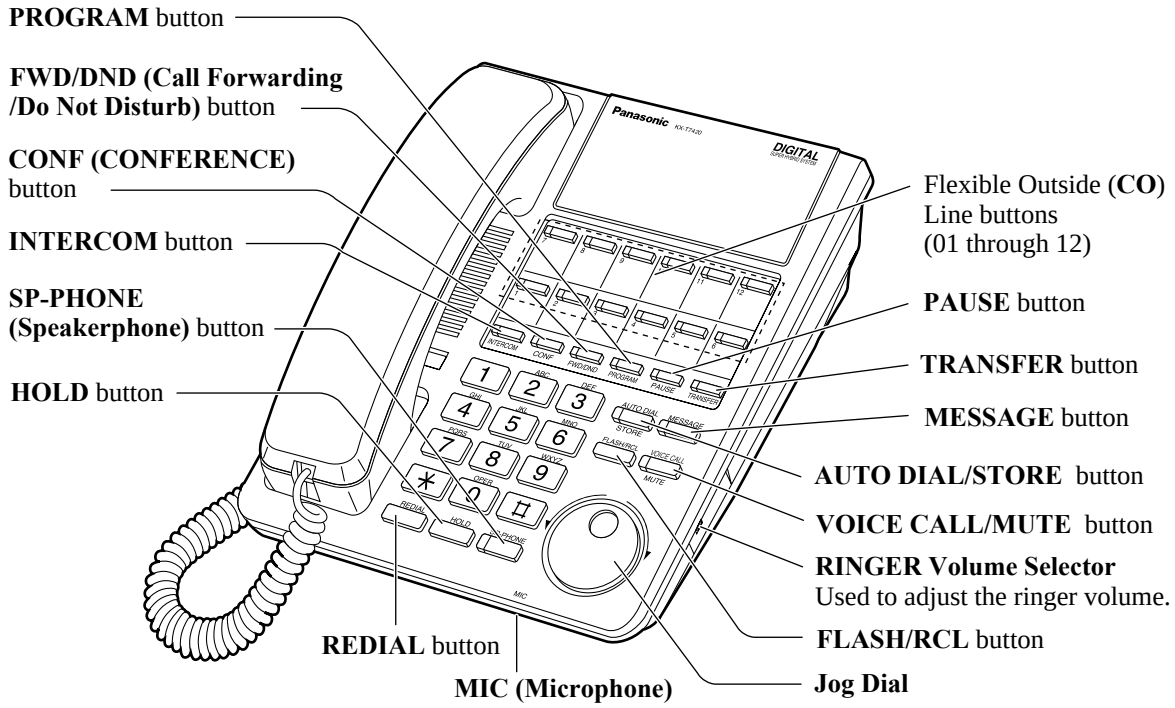

PROGRAM button
FWD/DND (Call Forwarding /Do Not Disturb) button
CONF (Conference) button
INTERCOM button
SP-PHONE (Speakerphone) button
HOLD button
LCD (Liquid Crystal Display)
With 16-character/3-line readout:
Shows the date, time, dialed number or name, call duration time, etc. It also shows the messages for programming or feature access.
SOFT buttons (S1 through S3)
SHIFT button
Flexible Outside (**CO**) Line buttons (01 through 24)
PAUSE button
TRANSFER button
MESSAGE button
AUTO DIAL/STORE button
AUTO ANSWER/MUTE button
RINGER Volume Selector
Used to adjust the ringer volume.
FLASH/RCL button
Jog Dial
REDIAL button
MIC (Microphone)

Configuration

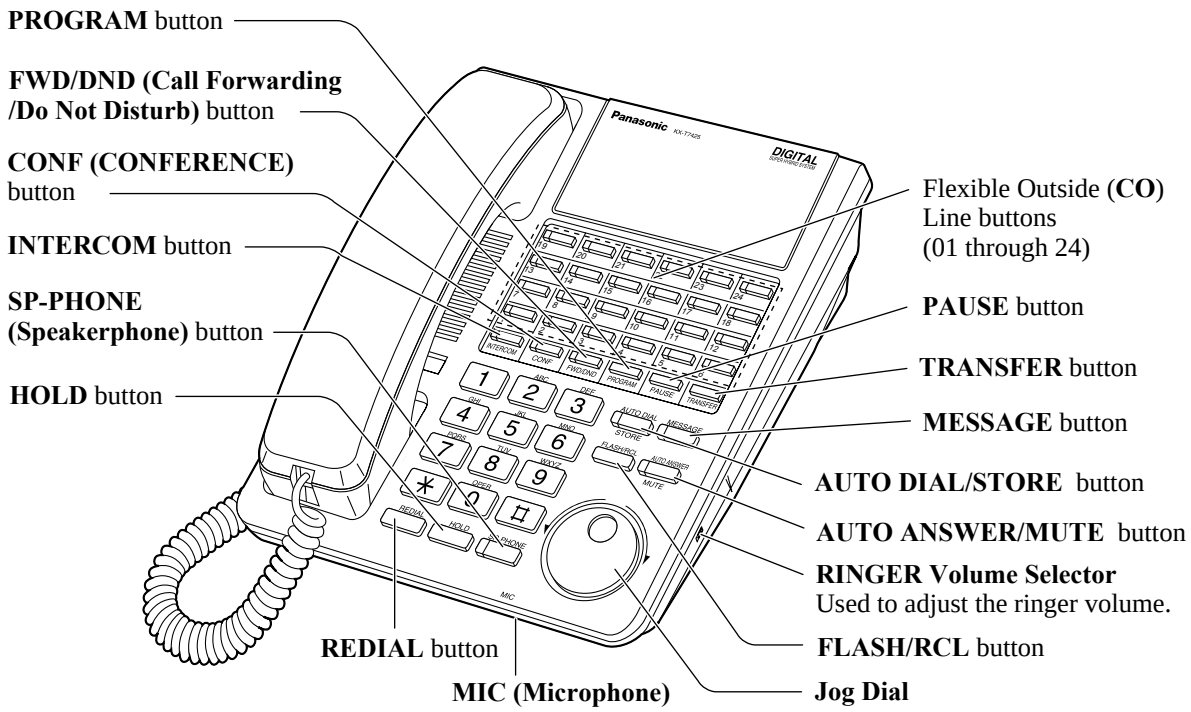
■ KX-T7436: Digital Proprietary Telephone


Function buttons (F1 through F5)
PROGRAM button
FWD/DND (Call Forwarding /Do Not Disturb) button
CONF (Conference) button
INTERCOM button
SP-PHONE (Speakerphone) button
HOLD button
LCD (Liquid Crystal Display)
With 24-character/6-line readout:
Shows the date, time, dialed number or name, call duration time, etc. It also shows the messages for programming or feature access.
Function buttons (F6 through F10)
SOFT buttons (S1 through S3)
SHIFT button
Flexible Outside (**CO**) Line buttons (01 through 24)
PAUSE button
TRANSFER button
MESSAGE button
AUTO DIAL/STORE button
AUTO ANSWER/MUTE button
RINGER Volume Selector
Used to adjust the ringer volume.
FLASH/RCL button
Jog Dial
REDIAL button
MIC (Microphone)

■ KX-T7420: Digital Proprietary Telephone



■ KX-T7425: Digital Proprietary Telephone



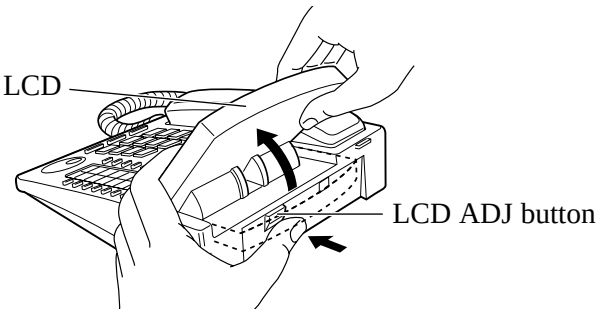
To raise or lower the display of KX-T7433/KX-T7436:

– To raise the display

1. Press the LCD ADJ button.
2. Raise the display.

– To lower the display

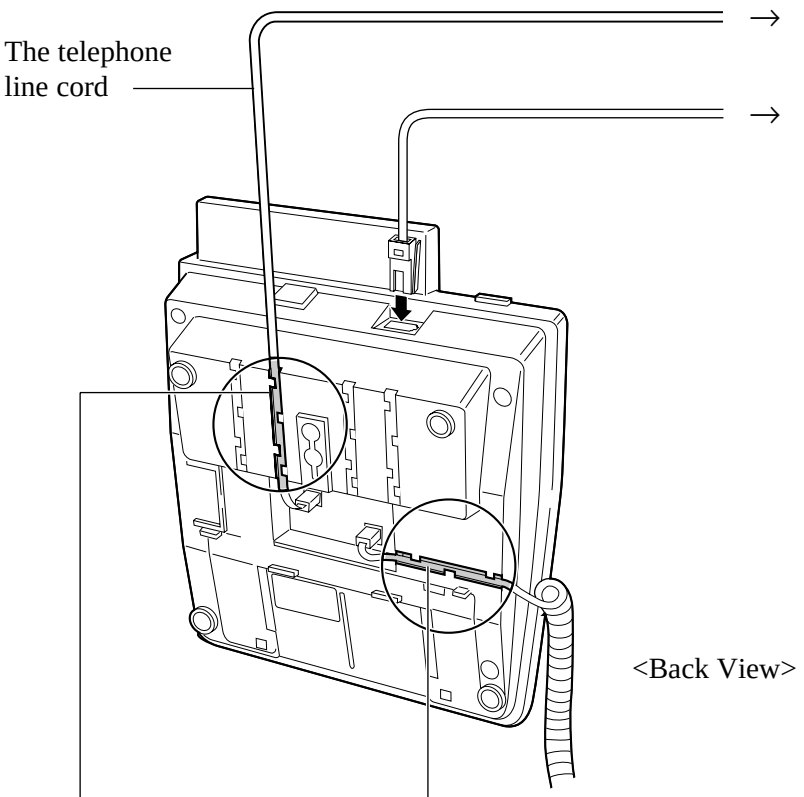
1. Press the LCD ADJ button.
2. Lower the display.



Connection

Connect as shown.

■ **KX-T7431/KX-T7433/KX-T7436/KX-T7420/KX-T7425**

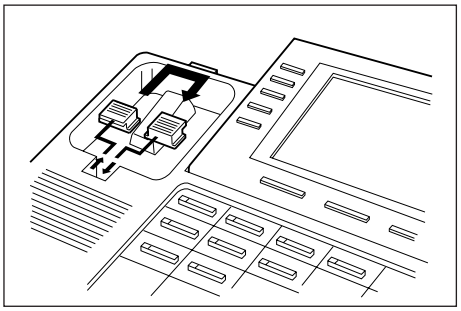

The telephone line cord
→ Connect to a Digital Super Hibrid System (TO MAIN UNIT).
→ Connect to a standard telephone, telephone answering machine, or FAX for XDP* or parallel connections (TO TEL).
<Back View>

CAUTION
Ensure the cords are inserted in the grooves to prevent damage to the connectors.

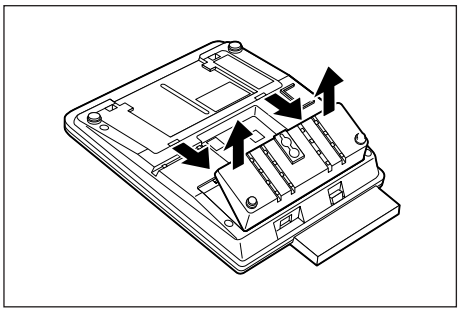
* XDP (eXtra Device Port) expands the number of telephones available in the system by allowing an extension port to contain two telephones. For more details, please consult with your dealer.

Wall Mounting

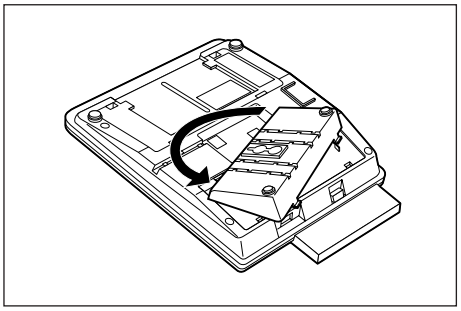
1. Disconnect the handset cord first. Remove the handset hook by pulling it up. Turn it around and re-insert it.



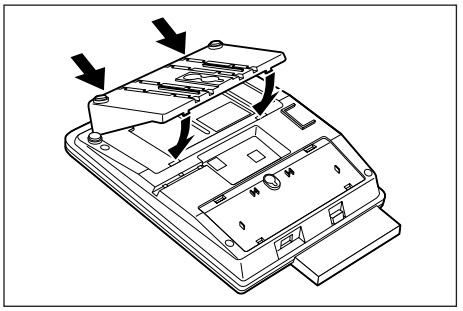
2. Remove the attached stand.



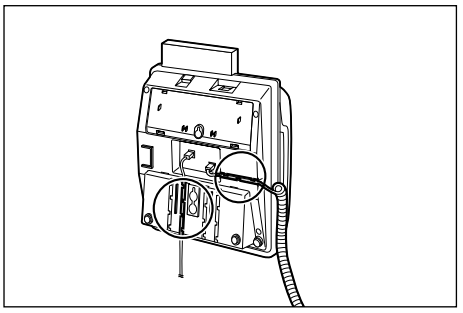
3. Turn it around 180 degrees.



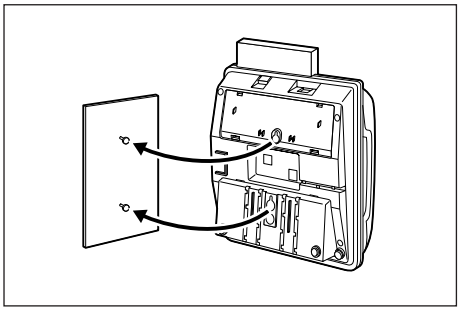
4. Insert the stand in the centre slots.



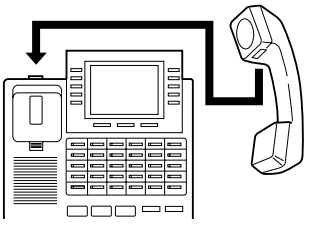
5. Insert the included tel line cord. (Ensure the cord is inserted in the groove to prevent damage to the connector.)



6. Mount the unit on the wall.



To place the handset down temporarily during a conversation, hook it over the top edge of the phone as shown.



Feature Button Descriptions

■ KX-T7431/KX-T7433/KX-T7436/KX-T7420/KX-T7425

AUTO ANSWER/MUTE button
Used for intercom auto answer; or it turns the microphone off during a conversation.

AUTO DIAL/STORE button
Used for speed dialling or storing program changes.

CONFERENCE button
Used to establish a three-party conference.

FLASH/RCL button
This button can be used to send a Recall signal to the local exchange or disconnect the current call and start another call.

Flexible Outside (CO) Line buttons
Used to make or receive an outside call, or access a feature if the button is assigned (e.g. One touch dialling button).

Function buttons (F1 through F10) (KX-T7436 only)
Used to perform the corresponding displayed function or operation.

FWD/DND (Call Forwarding/Do Not Disturb) button
Used to perform a Call Forwarding feature or set the Do Not Disturb (DND) feature.

HOLD button
Used to place a call on hold.

INTERCOM button
Used to make or receive extension calls.

Jog Dial
Used to adjust the volume of the handset receiver, headset, ringer and speaker, or to adjust the display contrast. Refer to "Initial Setting" in this manual. It is also used to select data from the Call Directory and the System Feature Access Menu for KX-T7431, KX-T7433, KX-T7436.

MESSAGE button
Used to leave a notification to a busy extension or call back the message notification sender.

MODE button (KX-T7431 only)
Used to change the display in order to access various features.

PAUSE button
Used to insert a pause in speed dial numbers or in other one-touch dial numbers.

PROGRAM button
Used to enter and exit the programming mode.

REDIAL button
Used for the redialling the last number or redialling automatically.

SELECT button (KX-T7431 only)
Used to select a displayed feature or to call a displayed phone number.

SHIFT button
Used to alternate the selection of Soft Button functions.

Soft buttons (S1 through S3)
Used to perform the function or operation that appears on the bottom line of the display.

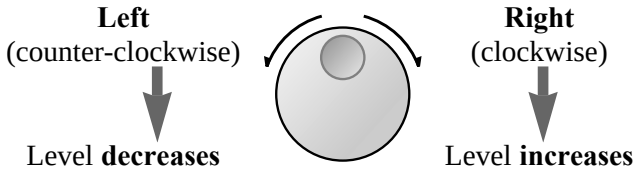
SP-PHONE (Speakerphone) button
Used for a handsfree speakerphone operation.

TRANSFER button
Used to transfer a call to another extension or external destination.

VOICE CALL/MUTE button (KX-T7420 only)
Used for intercom auto answer, but it cannot be used for handsfree conversations. It also turns the microphone off during a conversation.

Initial Setting

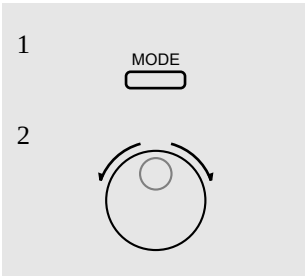
The Jog Dial can be used for the display contrast and the volume control. Rotate the Jog Dial in either direction as desired. The contrast or the volume level will change as follows.



Display Contrast Adjustment

The MODE button and the Jog Dial for KX-T7431 users, and a Soft button and the Jog Dial for KX-T7433 and KX-T7436 users are used to adjust the display contrast. The contrast level is indicated on the display by the number.

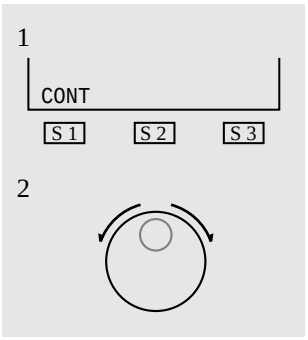
– KX-T7431



While on-hook

1. Press the **MODE** button six times.
   - The display shows:
     <Example>
     `Contrast: 3` (— contrast volume level 3)
2. Rotate the **Jog Dial** in the desired direction.

– KX-T7433 and KX-T7436



While on-hook or during a conversation

1. Press the **CONT** (S1) button.
2. Rotate the **Jog Dial** in the desired direction.
   - The display shows:
     <Example>
     `Contrast: 3` (— contrast volume level 3)

When using a headset

The Panasonic Digital Super Hybrid System supports the use of a headset with a proprietary telephone (PT). When you use a headset (optional), you should switch the selection mode first. Selection is explained in the “Handset/Headset Selection” in Initial Settings (Section 2 in the KX-TD208 Operating Instructions).

To change to the headset mode

Press: [PROGRAM] [9] [9] [8] [2] [STORE] [PROGRAM].

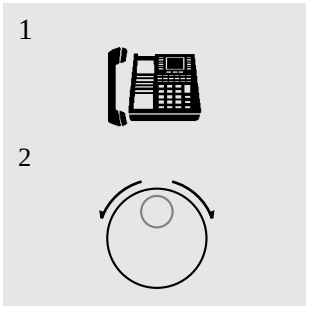
Changing the ringing tone of a CO button

There are eight ringer frequencies available for each CO (Loop-CO, Single-CO) button. If you wish to change them, refer to the “Distinguishing the ringing tone for each CO button” in the Initial Settings (Section 2 in the KX-TD208 Operating Instructions).

Volume Control — Handset Receiver/Headset/Ringer/Speaker

Allows you to adjust the following volumes as required.
– Handset Receiver volume (levels 1 through 4)
– Headset volume (levels 1 through 4)
– Ringer volume (levels 0 through 3)
– Speaker volume (levels 1 through 12)

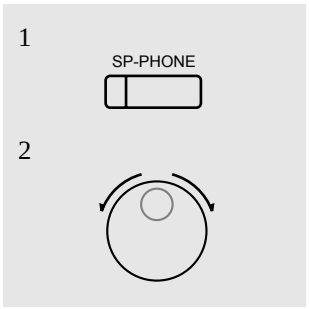
To adjust the handset receiver volume



1. Lift the **handset**.

2. Rotate the **Jog Dial** in the desired direction.
   - The display shows:
     <Example>
     `Handset: 3` (— volume level 3)
   - You may also adjust the handset receiver volume during a conversation using the handset receiver.

To adjust the headset volume



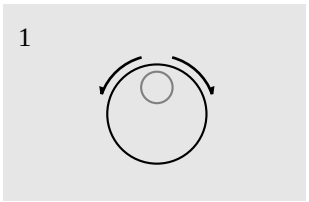
Be sure the headset is connected.

1. Press the **SP-PHONE** button.

2. Rotate the **Jog Dial** in the desired direction.
   - The display shows:
     <Example>
     `Headset: 3` (— volume level 3)

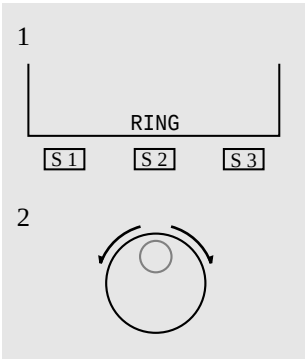
To adjust the ringer volume

– KX-T7433 and KX-T7436



While the telephone is ringing

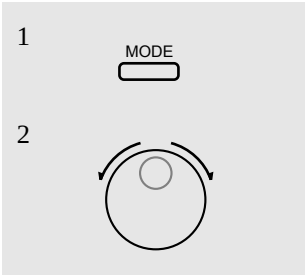
1. Rotate the **Jog Dial** in the desired direction.
   - The display shows:
     <Example>
     `Ringer: 3` (— volume level 3)



While the telephone is idle and on-hook

1. Press the **RING** (S2) button.
   - The telephone will ring.
2. Rotate the **Jog Dial** in the desired direction.
   - The telephone will stop ringing in about 4 seconds.
   - When the volume level is 0, the display shows "RING OFF".

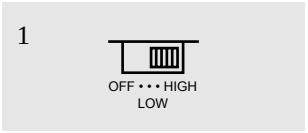
– KX-T7431



While the telephone is idle and on-hook

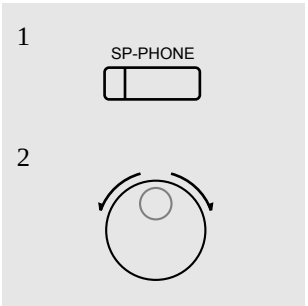
1. Press the **MODE** button five times.
   - The display shows:
     <Example>
     Ringer: 3 (— volume level 3)
2. Rotate the **Jog Dial** in the desired direction.
   - The telephone will stop ringing in about 4 seconds.

– KX-T7420 and KX-T7425



1. Adjust the **RINGER Volume Selector** lever to the desired setting (**OFF**/**LOW**/**HIGH**).

To adjust the speaker volume



1. Press the **SP-PHONE** button.
2. Rotate the **Jog Dial** in the desired direction.
   - The display shows:
     <Example>
     SP:12 (— volume level 12)
   - You may also adjust the speaker volume while listening to the background music (BGM On mode), receiving a voice call, or receiving a page.

Conditions

- **If the ringer volume of the KX-T7431 is set to OFF** , the display while on-hook is as follows.
  Ring off 12:00

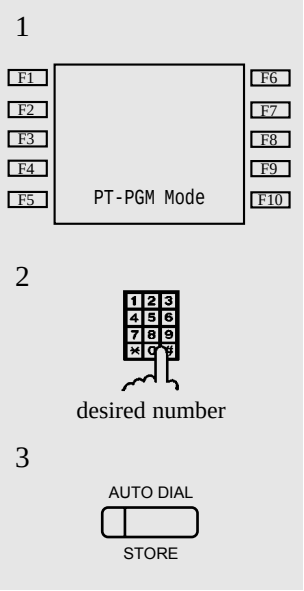
Station Speed Dialling Number/Name Assignment

Allows you to assign numbers and names that are used frequently to Function buttons on your telephone. You can store extension numbers, telephone numbers and features access numbers.

For KX-T7436 users

To store a number

– Be sure that you are in the Station Programming mode: Press [PROGRAM][9][9].



1. Press a **Function** button (F1 through F10).
   - The STORE indicator light turns off.
   - The display shows the current status.
   <Example>

   ```
   9-431-2111
         CLR   NEXT
   ```

   (— The outside call, 431-2111, is now programmed.)

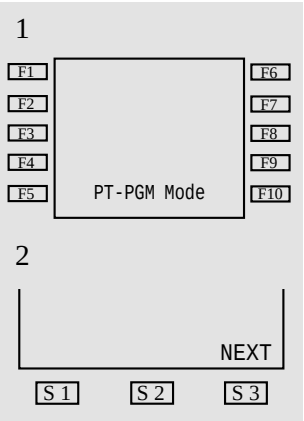
2. Enter the **desired number** (up to sixteen digits).
   - Up to sixteen digits, consisting of "0 through 9" and "✳", can be stored. Enter "✳✳" for a pause.
   - To store the telephone number of an outside party, the ISDN port access code (9, 81 or 82) must be stored as the leading digit.
   - To erase the entry, press the CLR (S2) button.

3. Press the **STORE** button.
   - The STORE indicator lights.
   - The display shows the initial programming mode.

– To exit the Station Programming mode: Press [PROGRAM] or lift the handset.

To store a name

– Be sure that you are in the Station Programming mode: Press [PROGRAM][9][9].

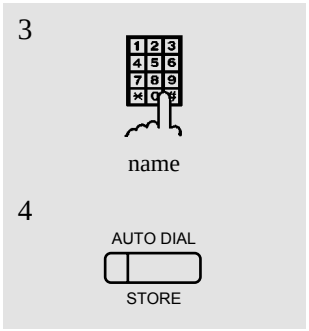


1. Press a **Function** button (F1 through F10).
   - The STORE indicator light turns off.
   - The display shows the current status.

2. Press the **NEXT** (S3) button.
   - The display shows the current status.
   <Example>

   ```
   Mike
         CLR   NEXT
   ```

   (— The name is now programmed.)



3. Enter the **name** (10 characters max.).
   - Refer to the Combination Table on page 15 on how to enter each character.

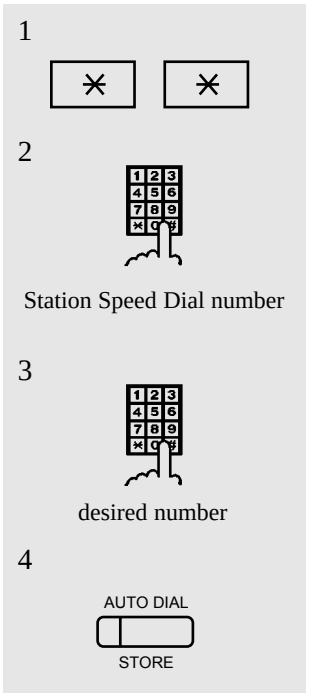
4. Press the **STORE** button.
   - The STORE indicator lights.
   - The display shows the initial programming mode.

– To exit the Station Programming mode: Press [PROGRAM] or lift the handset.

For KX-T7431 and KX-T7433 users

To store a number

– Be sure that you are in the Station Programming mode: Press [PROGRAM][9][9].



1. Press ✳✳.

2. Enter the **Station Speed Dial number** (0 through 9).
   - The STORE indicator light turns off.
   - The display shows the current status.
   <Example>

   ```
   9-431-2111
         CLR   NEXT
   ```

   (— The outside call, 431-2111, is now programmed.)

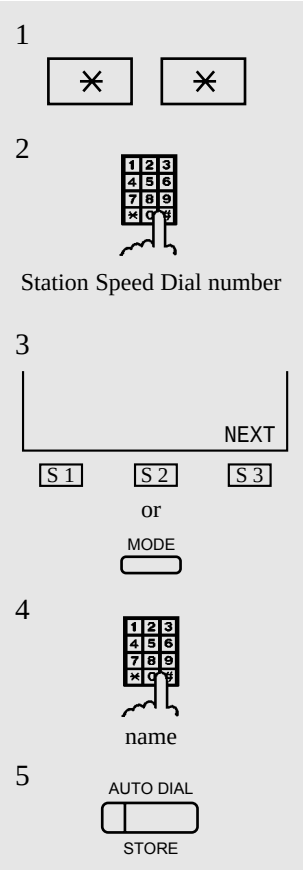
3. Enter the **desired number** (up to sixteen digits).
   - Up to sixteen digits, consisting of "0 through 9" and "✳", can be stored. Enter "✳✳" for a pause.
   - To store the telephone number of an outside party, the ISDN port access code (9, 81 or 82) must be stored as the leading digit.
   - To erase the entry, press the CLR (S2) button or TRANSFER button.
     – CLR (S2) button: for KX-T7433 users
     – TRANSFER button: for KX-T7431 users

4. Press the **STORE** button.
   - The STORE indicator lights.
   - The display shows the initial programming mode.

– To exit the Station Programming mode: Press [PROGRAM] or lift the handset.

To store a name

– Be sure that you are in the Station Programming mode: Press [PROGRAM][9][9].



1. Press ✱✱.

2. Enter the **Station Speed Dial number** (0 through 9).
   - The STORE indicator light turns off.
   - The display shows the current status.
   <Example>

9-431-2111
CLR NEXT

   (— The outside call, 431-2111, is now programmed.)

3. Press the **NEXT** (S3) button or **MODE** button to store a name.
   – NEXT (S3) button: for KX-T7433 users
   – MODE button: for KX-T7431 users

4. Enter the **name** (10 characters max.).
   - Refer to the Combination Table on the page 15 on how to enter each character.

5. Press the **STORE** button.
   - The STORE indicator lights.
   - The display shows the initial programming mode.

– To exit the Station Programming mode: Press [PROGRAM] or lift the handset.

Combination Table

Characters can be entered using the dial key pad, various buttons or the Jog Dial for storing names.
Combination Table 1 shows the combination of keys and the number of times to press the SELECT (AUTO ANSWER/MUTE) button, or the combination of keys and the SHIFT and Soft buttons to enter characters. (**The AUTO ANSWER/MUTE button becomes the SELECT button when using the overlay.**)
To enter a character, find the key and number of times to press the SELECT button or the corresponding SHIFT and Soft button combination on the table. Press the corresponding key first, then press the SELECT button for the required number of times. Or, you can use the SHIFT button and a Soft button (S1 through S3) instead of the SELECT button.
Combination Table 2 shows the combination of keys and the number of clicks to move the Jog Dial to the right.
To enter a character, find the key and number of clicks to rotate the Jog Dial. Press the corresponding key first, then rotate the Jog Dial for the required number of times. Or, if you keep rotating the Jog Dial after pressing any dialling key, all the characters in the table will be displayed.

Combination Table 1

SHIFT & Soft Combination		S1	SHIFT + S1	S2	SHIFT + S2	S3	SHIFT + S3	SHIFT+ SHIFT+ S1	SHIFT+ SHIFT+ S2
Pressing SELECT* (Times) / Keys	0	1	2	3	4	5	6	7	8
1	1	Q	q	Z	z	!	?		
2	2	A	a	B	b	C	c		
3	3	D	d	E	e	F	f		
4	4	G	g	H	h	I	i		
5	5	J	j	K	k	L	l		
6	6	M	m	N	n	O	o		
7	7	P	p	Q	q	R	r	S	s
8	8	T	t	U	u	V	v		
9	9	W	w	X	x	Y	y	Z	z
0	0		.	,	’	:	;		
✳	*	/	+	–	=	<	>		
#	#	$	%	&	@	(	)		

* If your telephone is a KX-T7431, do not use the provided SELECT button. Use the AUTO ANSWER/MUTE button which becomes the SELECT button when using the overlay.

Combination Table 2

Rotating Jog Dial (Clicks) / Keys	0	1	2	3	4	5	6	7	8
1	1	Q	q	R	r	S	s	T	t
2	2	A	a	B	b	C	c	D	d
3	3	D	d	E	e	F	f	G	g
4	4	G	g	H	h	I	i	J	j
5	5	J	j	K	k	L	l	M	m
6	6	M	m	N	n	O	o	P	p
7	7	P	p	Q	q	R	r	S	s
8	8	T	t	U	u	V	v	W	w
9	9	W	w	X	x	Y	y	Z	z
0	0		!	?	.	,	’	:	;
✳	*	/	+	–	=	<	>	#	$
#	#	$	%	&	@	(	)	A	a

<Example> To enter “Mike”,

– Using the SELECT button (*With a KX-T7431/KX-T7433/KX-T7436/KX-T7235*)
See Combination Table 1.
1. Press 6 and then press the SELECT button *once* to enter “M”.
2. Press 4 and then press the SELECT button *six* times to enter “i”.
3. Press 5 and then press the SELECT button *four* times to enter “k”.
4. Press 3 and then press the SELECT button *four* times to enter “e”.

– Using the SHIFT button and a Soft button (*With a KX-T7433/KX-T7436/KX-T7235*)
See Combination Table 1.
1. Press 6 and then press the S1 button to enter “M”.
2. Press 4 and then press the SHIFT and S3 button to enter “i”.
3. Press 5 and then press the SHIFT and S2 button to enter “k”.
4. Press 3 and then press the SHIFT and S2 button to enter “e”.

– Using the Jog Dial (*With a KX-T7431/KX-T7433/KX-T7436/KX-T7420/KX-T7425*)
See Combination Table 2.
1. Press 6 and then rotate the Jog Dial *one* click to enter “M”.
2. Press 4 and then rotate the Jog Dial *six* clicks to enter “i”.
3. Press 5 and then rotate the Jog Dial *four* clicks to enter “k”.
4. Press 3 and then rotate the Jog Dial *four* clicks to enter “e”.

OR

1. Press 2 and then rotate the Jog Dial until “M” appears.
2. Press 2 and then rotate the Jog Dial until “i” appears.
3. Press 2 and then rotate the Jog Dial until “k” appears.
4. Press 2 and then rotate the Jog Dial until “e” appears.

Notes

- Pressing the SHIFT button alternates between capital and lower case letters. Once this button is pressed, the SHIFT mode remains until SHIFT is pressed again.
- To erase the last letter (to backspace), press the CONF (Conference) button. (The CONF (Conference) button becomes the “←” (backspace) key when using the overlay).
- To erase all the data, press the CLR (S2) button.
- If you keep rotating the Jog Dial, all of the characters will be displayed in order.
<Example> If you rotate the Jog Dial after pressing 2, all the characters will appear in the following order:
A a B b .... Z z 0 (space) ! ? . , ’ : ; * / + – = < > # $ # $ % & @ ( ) A a ....

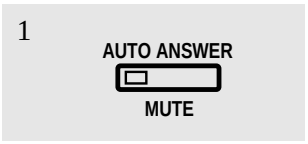
Conditions

- The default is “Not Stored”.
- Up to ten dialling numbers and names can be assigned. Each dialling number has a maximum of sixteen digits and each name has a maximum of ten characters.

Handset Microphone Mute

Allows the KX-T7400 series telephone user to turn off the handset microphone so you can consult privately with others in the room. You will still be able to hear the other party.

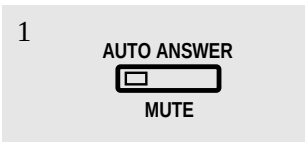
Setting



During a conversation using the handset

1. Press the **AUTO ANSWER/MUTE** or **VOICE CALL/MUTE** button.
   - The AUTO ANSWER/MUTE or VOICE CALL/MUTE indicator light flashes red slowly.

Cancelling



When handset microphone mute is established

1. Press the **AUTO ANSWER/MUTE** or **VOICE CALL/MUTE** button.
   - The AUTO ANSWER/MUTE or VOICE CALL/MUTE indicator light turns off.

Conditions

- This feature is only available during a conversation with the handset.
- You can also turn off the microphone of your telephone during a handsfree conversation (Microphone Mute).

Special Display Features

A Panasonic digital proprietary telephone with a large display, KX-T7431, KX-T7433 and KX-T7436, allows you to make a call or operate a feature using the display message.
For operation of the features marked "*", refer to the corresponding feature in the KX-TD208 Operating Instructions.

1) Call Directory

`Extension` (Extension Dialling)
`STA Speed` (Station Speed Dialling)
`SYS Speed` (System Speed Dialling)
`Call Log` (Call Log, Outgoing (KX-T7436 only))

2) System Feature Access Menu

The System Feature Access Menu provides a display of the system features which appear in alphabetical order. The available features are as follows:

Absent Message Capability
Automatic Callback Busy
Call Log
Call Park
Call Pickup
Call Waiting
Door Opener
Doorphone Call
Electronic Station Lockout
Executive Busy Override
Log-in / Log-out
Message Waiting
Night Service On / Off
Paging – Group, Deny
Paralleled Telephone Connection
Station Feature Clear
Timed Reminder

*3) Call Forwarding/Do Not Disturb (KX-T7436 only)**

You can also access the Call Forwarding and Do Not Disturb features. Go off-hook and press the FWD/DND button.

*4) Call Log, Incoming (KX-T7433/KX-T7436 only)**

Special Display Features

List for Display Operation with a Soft button

For KX-T7431, KX-T7433 and KX-T7436

2.3 Making Calls

Quick Dialling

Dialling with a System Speed Dialling Button (System Speed Dialling)

Dialling with a Station Speed Dialling Button (Station Speed Dialling)

2.6 Others

Before Leaving Your Desk

Showing Your Message on the Calling Party's Display (Absent Message Capability)

Leaving a Message Notification (Message Waiting)

Switching the Day/Night Calling Mode (Night Service)

Setting the Paralleled SLT to Ring (Paralleled Telephone Connection)

For KX-T7433 and KX-T7436

2.3 Making Calls

When the Dialled Line is Busy

Sending a Call Waiting Tone to a Busy Extension (Busy Station Signalling)

Making Your Telephone Ring Back Automatically When a Line Becomes Free (Automatic Callback Busy – Camp On)

2.4 Receiving Calls

Picking up a Call

Picking up a Call Ringing at Another Extension (Call Pickup) Group Call Pickup

2.5 During a Conversation

Placing a Call on Hold

Placing a Call in a System Parking Area (Call Park)

Paging – group paging

2.6 Others

Turning On the Background Music (Background Music (BGM))

Calling with Account Codes (Account Code Entry)

Calling an Extension which Denies Receiving Calls (Do Not Disturb Override)

Caller Identification Services (for KX-T7230/KX-T7235)

Recording the Caller's Information Automatically (Incoming Call Log)

For KX-T7436

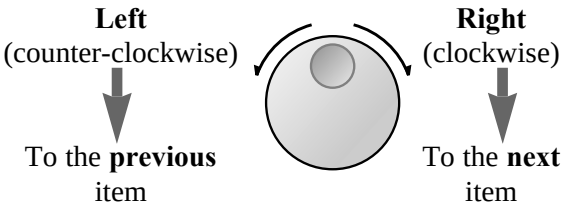
2.6 Others

Before Leaving Your Desk

Forwarding a Call (Call Forwarding) – Setting/Cancelling

Special Display Features

Jog Dial Operation

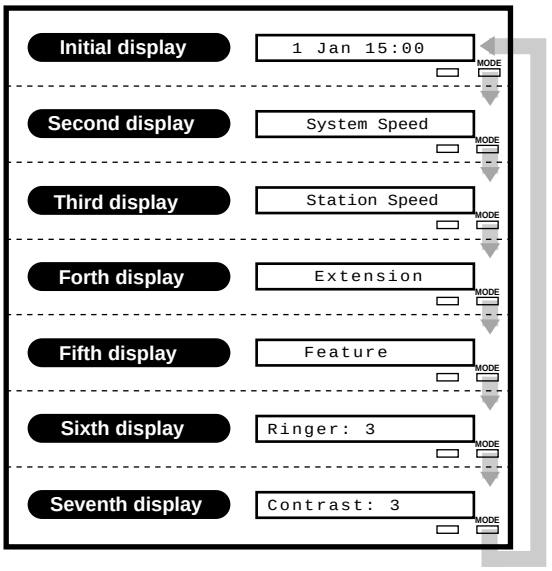


You can search for desired items by using the Jog Dial on the corresponding display menu. Rotate the Jog Dial in either direction as desired. The items will be displayed as follows.

Jog Dial Operation Display

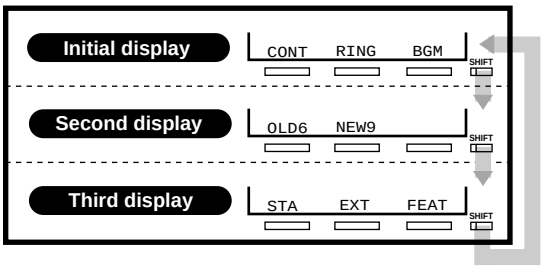
– *KX-T7431*

While idle, the display changes as follows by pressing the MODE button.
The Jog Dial operation is available in the second through seventh displays.



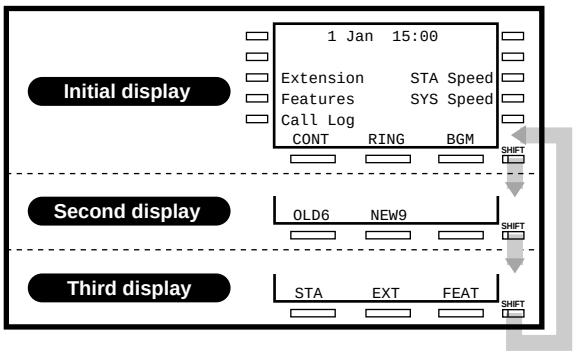
– *KX-T7433*

While idle, the bottom line of the display changes by pressing the SHIFT button as follows. The Jog Dial operation is available in the third display.



– *KX-T7436*

The Jog Dial operation is available after pressing a Function button on the third line. To use the Soft buttons, use the bottom line in the third display which appears by pressing the SHIFT button as follows.



Conditions

- The sixth and seventh displays of the KX-T7431 are used for the ringer volume and display contrast adjustments. For details, refer to the “Initial Setting” in this manual.
- The second display of the KX-T7433 and KX-T7436 is used to call back the caller by checking the call log data (Call Log, Incoming). For operation, refer to the corresponding feature in the KX-TD208 Operating Instructions.

1) Call Directory

`Extension` (**Extension Dialling**)	You can make an intercom call using the directory.	Only the items whose names are assigned are displayed in alphabetical order.
`SYS Speed` (**System Speed Dialling**)	You can make a call to a party stored in the system using the directory.	
`STA Speed` (**Station Speed Dialling**)	You can make a call to a party stored in your phone.	Items whose names are assigned are displayed by priority in stored order. If a name is not assigned, the number is displayed. The displaying mode, name or number, can be assigned by System Programming.
`Call Log` (**Call Log, Outgoing**) (KX-T7436 only)	You can make a call using the call log (last five outside calls).	Items are displayed in stored order.

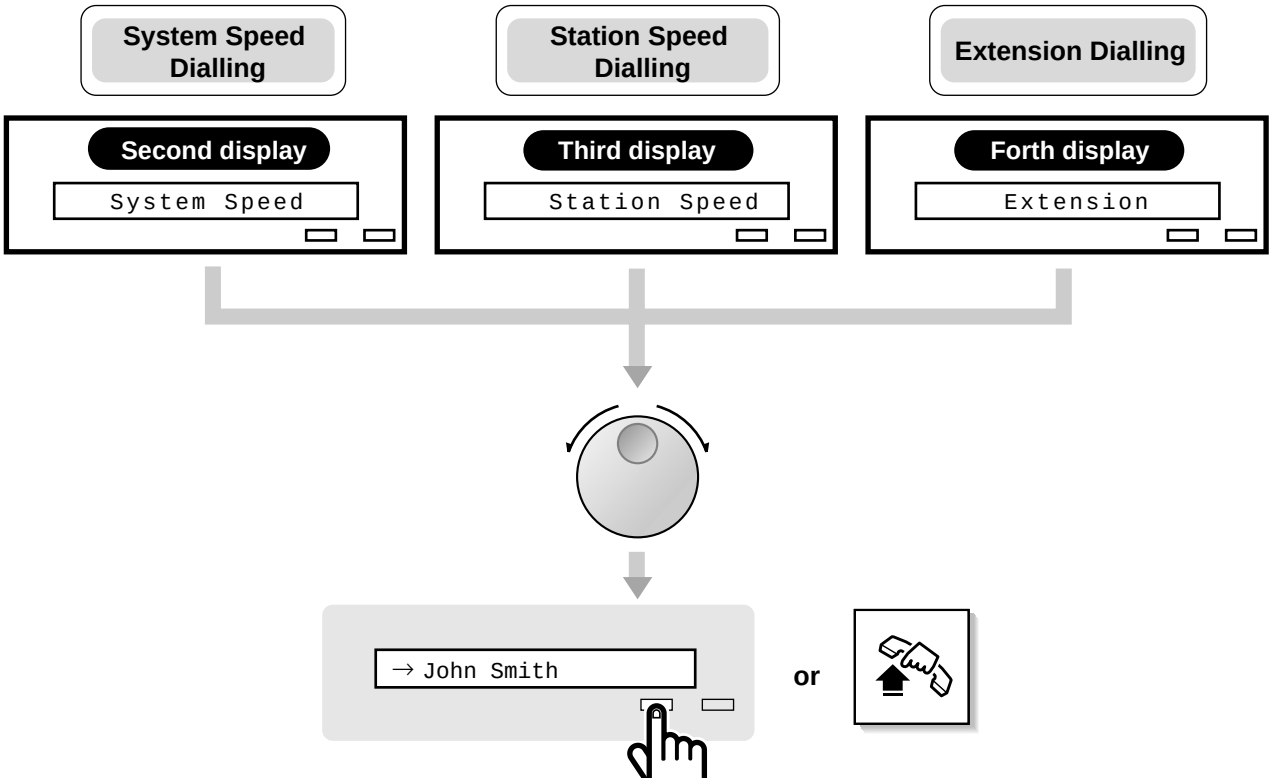
Programming References

- Manager Programming —KX-TD208 Operating Instructions
  [001] System Speed Dialling Number Set
- Display Operation with the KX-T7235 – KX-TD208 Operating Instructions
  Assigning a Station Speed Dialling Number/Name to Each Function Button

To use the Call Directory, you may shift the display to the Jog Dial Operation display by pressing the SHIFT or MODE button first.

Special Display Features

■ KX-T7431



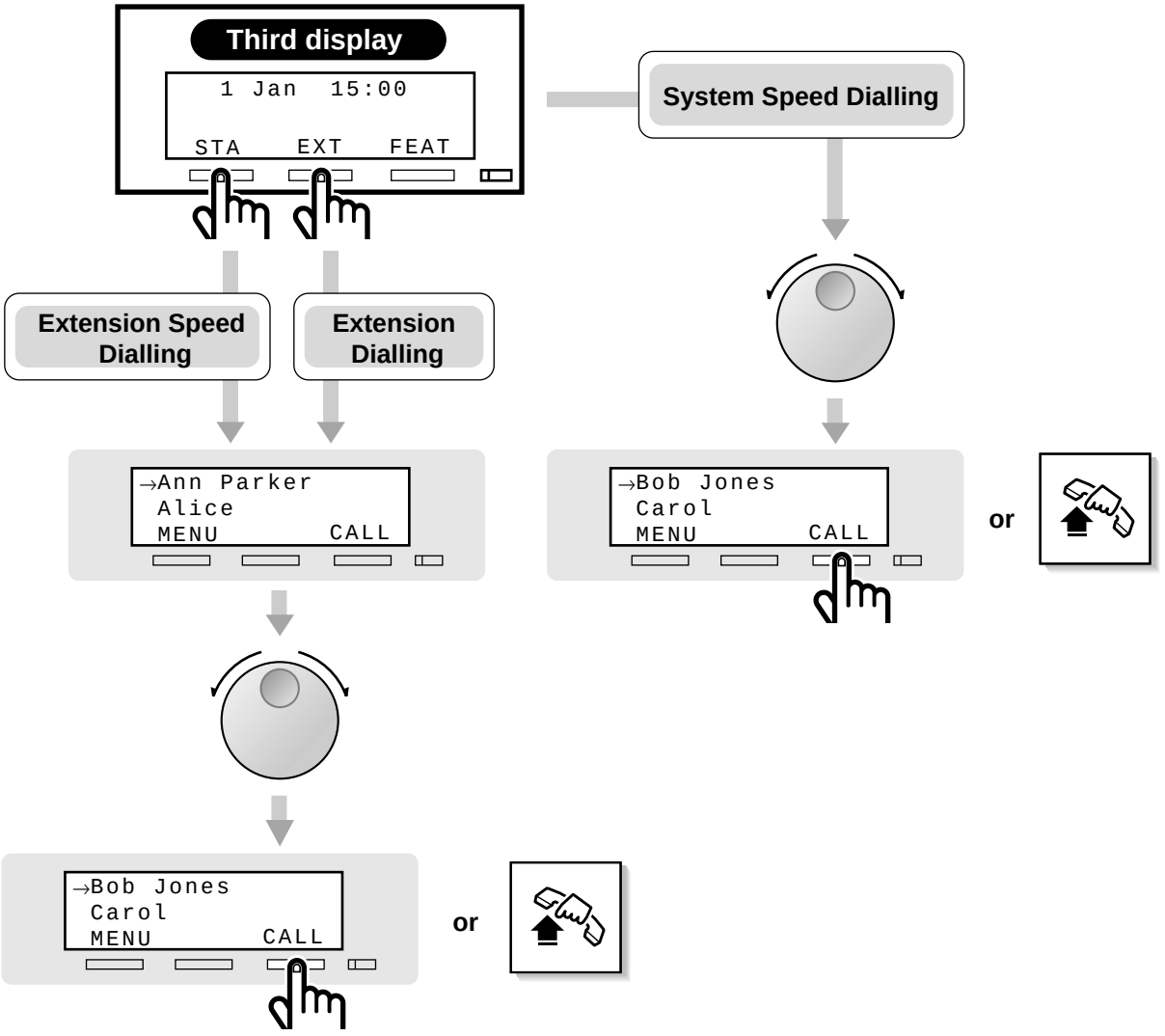
Extension Dialling / System Speed Dialling / Station Speed Dialling

1. **Rotate the Jog Dial** until the desired item is displayed.
2. Press the **SELECT** button or go off-hook.

Note

- Press the MODE button to return to the initial display.
- For System Speed Dialling and Extension Dialling, before rotating the Jog Dial, you can press the corresponding key to search for the desired letter.
  <Example> Press 2 two times to display “B” items.

■ KX-T7433



Extension Dialling / Station Speed Dialling

1. Press the **STA** (S1) or **EXT** (S2) button.
2. **Rotate the Jog Dial** until the desired item is at the arrow.
3. Press the **CALL** (S3) button or go off-hook.

System Speed Dialling

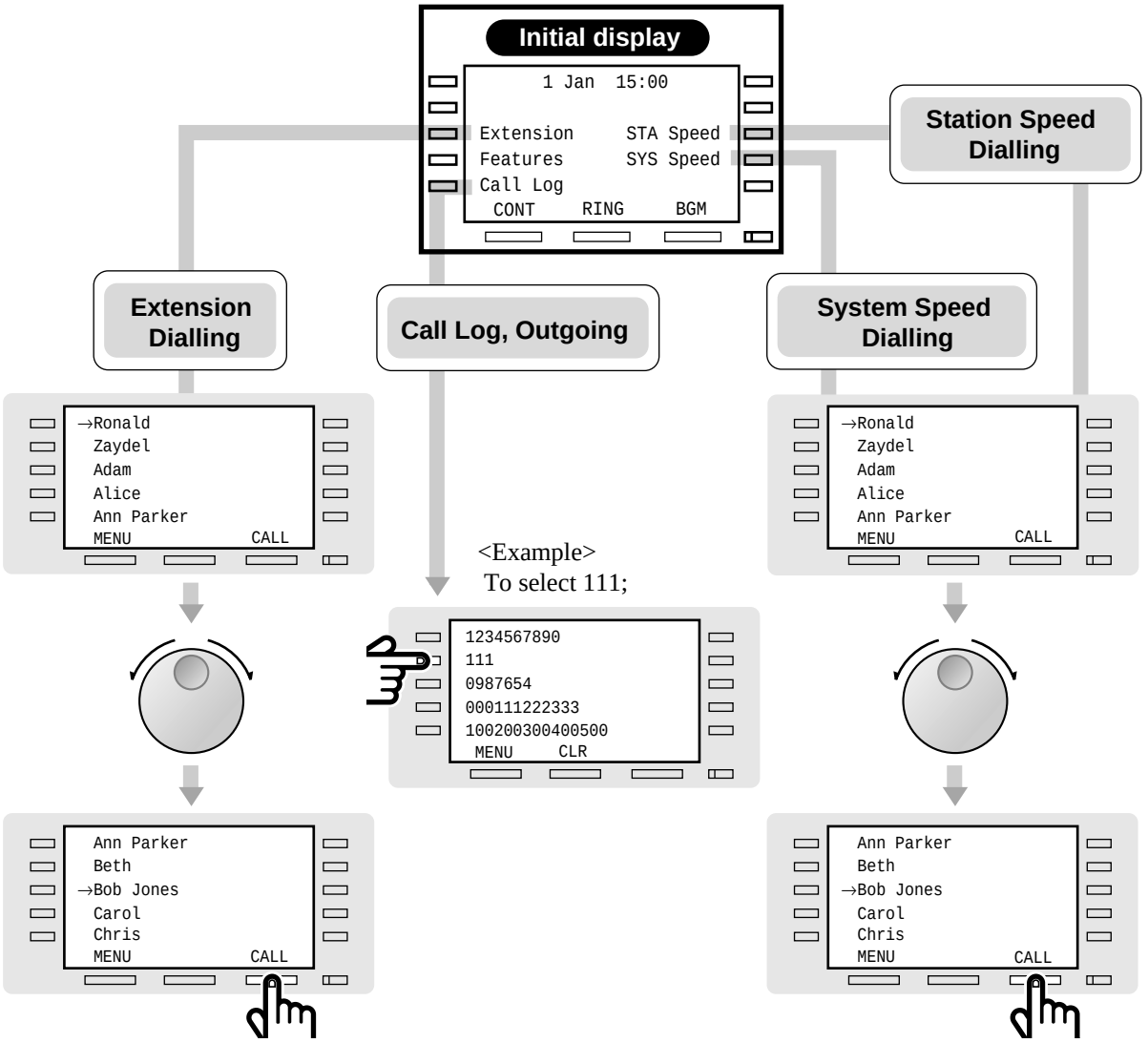
1. **Rotate the Jog Dial** until the desired item is at the arrow.
2. Press the **CALL** (S3) button or go off-hook.

Note

- For System Speed Dialling and Extension Dialling, before rotating the Jog Dial, you can press the corresponding key to search for the desired letter.
  <Example> Press 2 two times to display “B” items.

■ KX-T7436

– Using the Function button –



Extension Dialling / System Speed Dialling / Station Speed Dialling

1. Press the **Extension** (F3), **STA Speed** (F8) or **SYS Speed** (F9) button.
2. **Rotate the Jog Dial** until the desired item is at the arrow.
3. Press the **CALL** (S3) button.

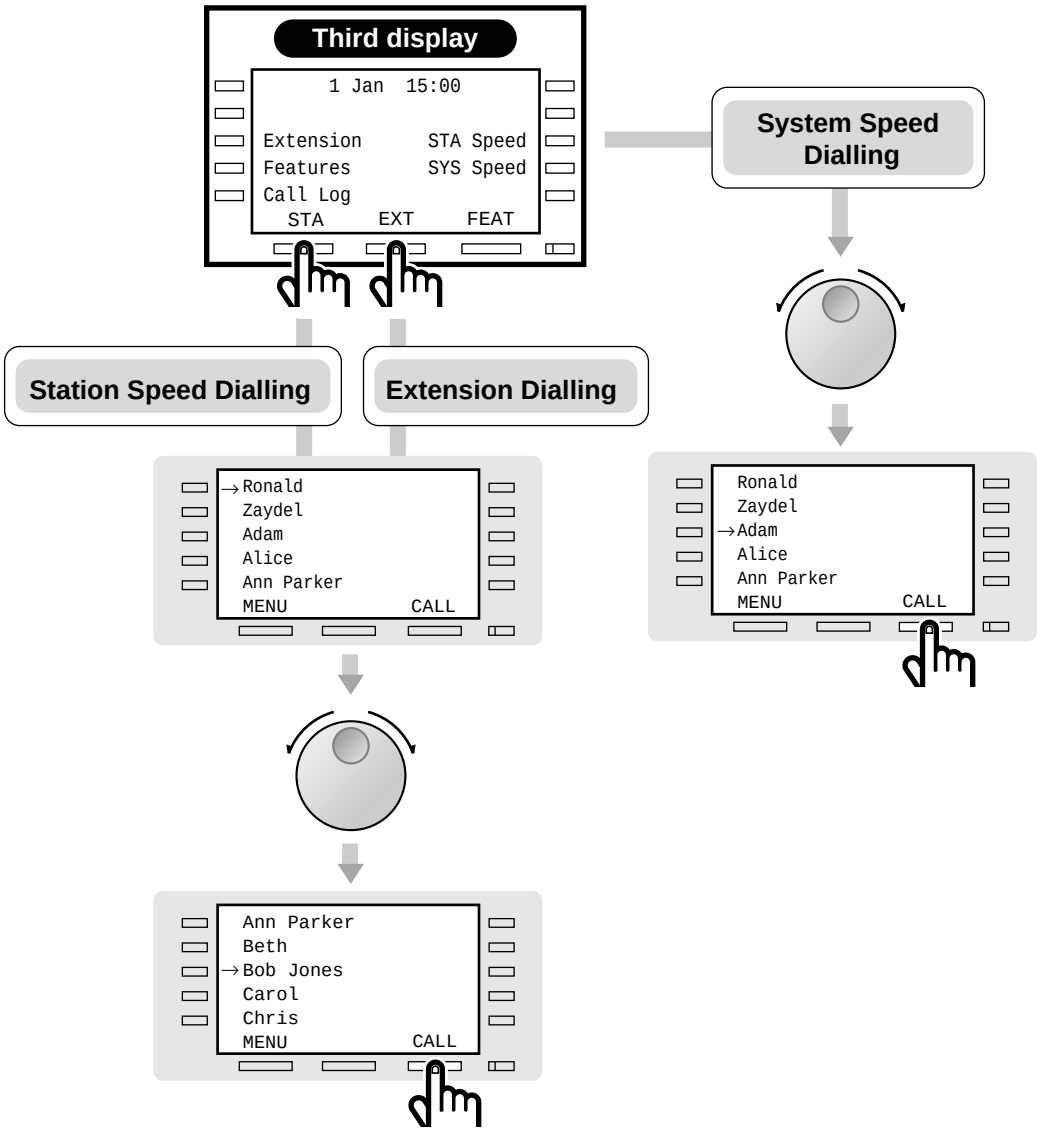
Call Log, Outgoing

1. Press the **Call Log** (F5) button.
2. Press the desired **Function** button.

Note

- You can press the Function button (F1 through F5) on the same line of the desired item, lift the handset or press the SP-PHONE button instead of the CALL (S3) button.
- For System Speed Dialling and Extension Dialling, before rotating the Jog Dial, you can press the corresponding key to search for the desired letter.
  <Example> Press 2 two times to display “B” items.

– Using the Soft button or rotating Jog Dial directly –



Extension Dialling / Station Speed Dialling

1. Press the **STA** (S1) or **EXT** (S2) button.
2. **Rotate the Jog Dial** until the desired item is at the arrow.
3. Press the **CALL** (S3) button.

System Speed Dialling

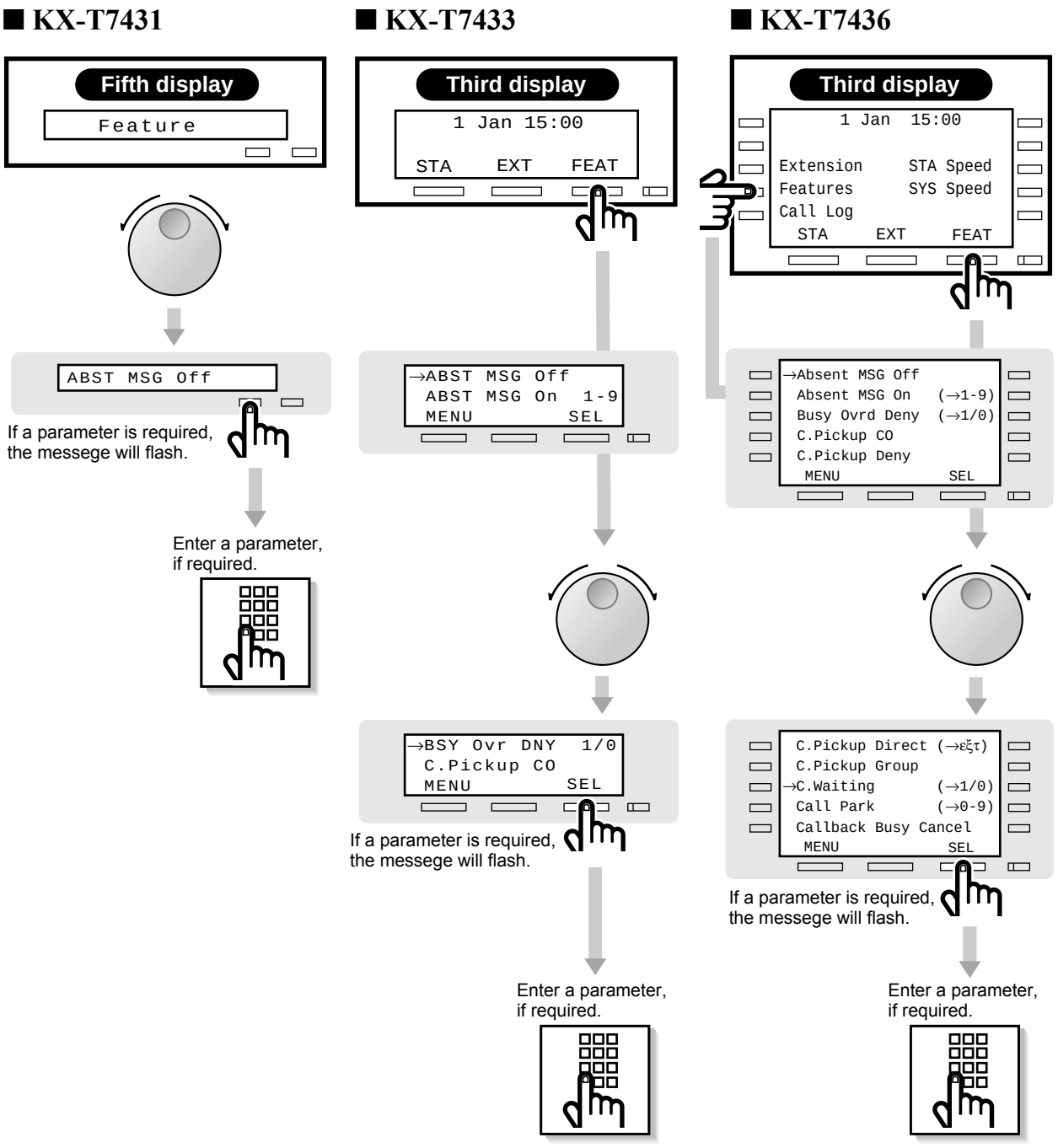
1. **Rotate the Jog Dial** until the desired item is at the arrow.
2. Press the **CALL** (S3) button.

Note

- You can press the Function button (F1 through F5) on the same line of the desired item, lift the handset or press the SP-PHONE button instead of the CALL (S3) button.
- For System Speed Dialling and Extension Dialling, before rotating the Jog Dial, you can press the corresponding key to search for the desired letter.
  <Example> Press 2 two times to display “B” items.

2) System Feature Access Menu

You can access the features which are displayed in alphabetical order.
To access the features, you may change the display to the Jog Dial Operation display by pressing the MODE or SHIFT button first. Then follow the procedures below.



KX-T7431

1. **Rotate the Jog Dial** until the desired item is displayed.
2. Press the **SELECT** button.
3. Enter the parameter, if required.

KX-T7433

1. Press the **FEAT** (S3) button.
2. **Rotate the Jog Dial** until the desired item is at the arrow.
3. Press the **SEL** (S3) button.
4. Enter the parameter, if required.

KX-T7436

1. Press the **Features** (F4) or **FEAT** (S3) button.
2. **Rotate the Jog Dial** until the desired item is at the arrow.
3. Press the **SEL** (S3) button.
4. Enter the parameter, if required.

Note

- When using a KX-T7436, you can press the Function button (F1 through F5) on the same line of the desired item instead of the SEL (S3) button.
- When using a KX-T7436, you can press the Features (F4) button in any display (initial through third).
- Before rotating the Jog Dial, you can press the corresponding key to search for the desired letter.
  <Example> Press 2 two times to display “B” items.

Special Display Features

System Feature List

You can access the following features which are displayed in alphabetical order.
The parameters used in the list are for a telephone connected to a KX-TD208.

DISPLAY (KX-T7436)	DISPLAY (KX-T7431/KX-T7433)	FEATURE DESCRIPTION
Absent MSG Off	ABST MSG Off	Cancel the absent message.
Absent MSG On (→1-9)	ABST MSG On 1-9	Set an absent message.
Busy Ovrd Deny (→1/0)	BSY Ovr DNY 1/0	Prevent others from interrupting your conversation on the line.
C.Pickup CO	C.Pickup CO	Pick up a call from an exchange line.
C.Pickup Deny (→1/0)	C.PickupDNY 1/0	Stopping your calls from being picked up.
C.Pickup Direct (→ext)	C.PickupDRT ext	Pick up a call from a specific extension.
C.Pickup Group	C.Pickup GRP	Pick up a call ringing at another telephone within your group.
C.Waiting (→1/0)	C.Waiting 1/0	Informs you that there is a call waiting using a tone.
Call Park (→0-9)	Call Park 0-9	Place a call on hold in a system parking area.
Callback Busy Cancel	Callback Cancel	Cancel the Automatic Callback Busy.
Door Open	Door Open	Open the door.
Doorphone Call	Doorphone	Call the doorphone.
Log Lock Call (→abcabc)	Log Lock abcabc	Prevent others from accessing your call log.
Log Ovrt On/Off (→1/0)	Log Ovrt 1/0	Overwrite or delete your call log.
Login/Logout (→1/0)	Login/out 1/0	Join or leave the hunt group.
Message Off (→ext)	MSG Off ext	Cancel a notification.
Message On (→ext)	MSG On ext	Leave a notification so that the called party may call you back.
Night Auto/On/Off (→0-2)	Night Mode 0-2	Change the day / night mode.*
Page Deny On/Off (→1/0)	Page Deny 1/0	Stopping reception of paging announcements.
Page-GRP Answer	Page-GRP ANS	Answer the page through a telephone in the same extension group.
Paging Group (→0-8)	Page GRP 0-8	Page to all or a particular extension group.
Parallel On/Off (→1/0)	Parallel 1/0	Set whether a single line telephone connected in parallel will ring not when receiving a call.
Pickup Dialing (→1/0)	Pickup Dial 1/0	Make a call without dialling.
Pickup DL Prg (→..#)	Pickup DL PG ..#	Assign the number for the Pickup Dialling.
Station Lock (→abcabc)	St.Lock abcabc	Prevent others from calling from your extension.
Station Program Clear	STA Prog Clear	Cancel the Station Lock.
Timed Reminder	Timed Reminder	Set an alarm call.

For more details about the features and the required parameters, refer to the respective features in the KX-TD208 Operating Instructions.
Only the Operator can carry out the feature marked with “*”.

Added Features

* All the buttons are based on the KX-T7200 series, although they also apply to other models (e.g., KX-T7400 series).

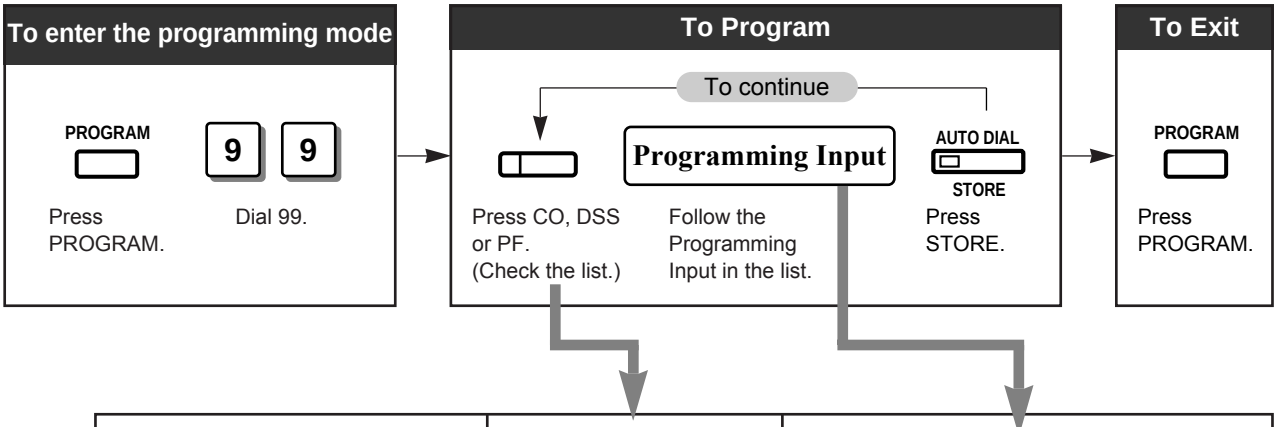
Customising the Buttons on Your Telephone

Changing the Flexible Buttons

You can change the flexible buttons on your telephone to certain function buttons.
For example, your telephone has more CO buttons than available Exchange lines, so you may change unused CO buttons to one-touch dialling buttons, etc.
Programming buttons are:

- Flexible CO button
- Flexible DSS button
- Programmable Function (PF) button

Check the required operation first, and if your telephone is not provided with a convenient button, you can assign the button here.



Function	Programmable Button			Programming Input
	CO	DSS	PF	
ISDN Service	✔	✔	✔	8 9 ISDN service no. (0···9, ,✳ #, 16 digits max.)

- ISDN service number depends on the services which you want to perform. For more information about the ISDN services or the specific numbers, please consult with your ISDN network suppliers.
- The availability of this service depends on your ISDN contract.

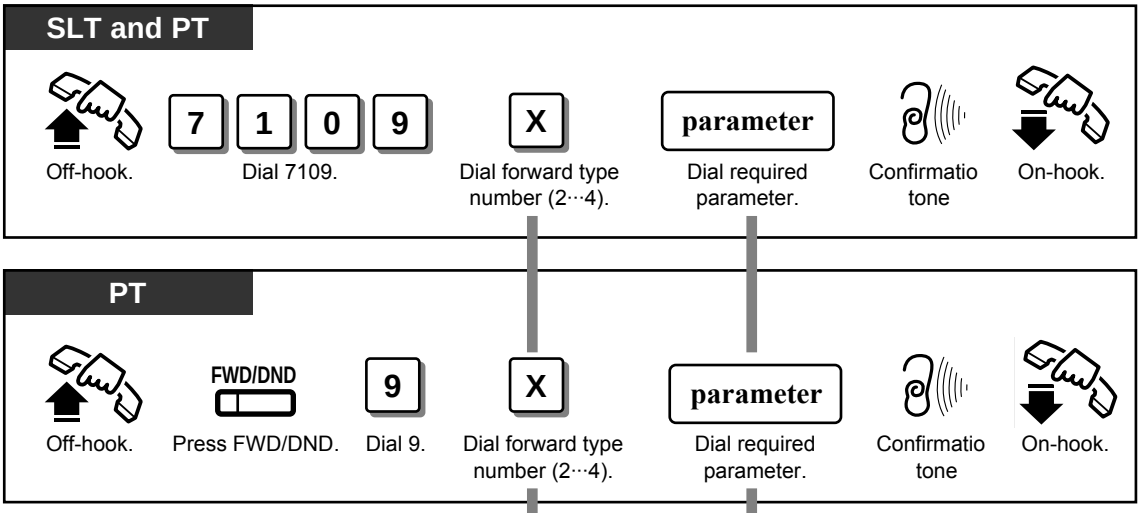
2.6 Others

Before Leaving Your Desk

Forwarding a Call (Call Forwarding)

TYPE	DESCRIPTION
By the ISDN Service – all calls	All calls to your MSN number are forwarded by the ISDN.
By the ISDN Service – when busy	Calls to your MSN are forwarded when you are busy, by the ISDN.
By the ISDN Service – no answer	If you do not answer calls, your MSN will be forwarded by the ISDN.

Setting



FORWARD TYPE	FORWARD TYPE NO.	PARAMETER
By the ISDN Service – all calls	2	ISDN port number: Dial ISDN port number (1, 2). destination phone number: Dial destination phone number. (16 digits max.) #:
By the ISDN Service – when busy	3	
By the ISDN Service – no answer	4	

! • The availability of this service depends on your ISDN contract.

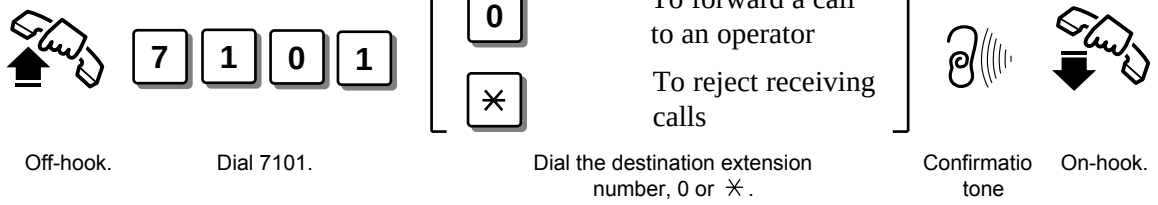
2.6 Others

Denying Receiving Calls

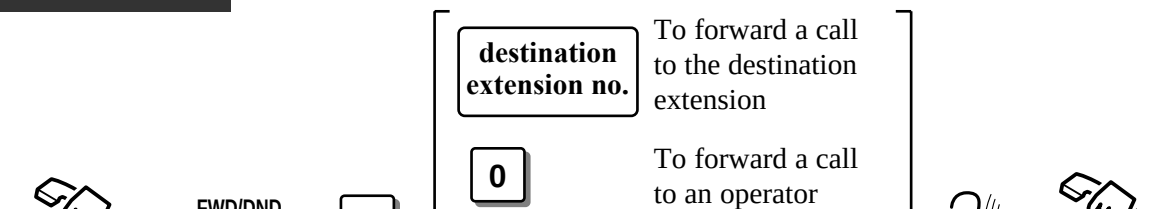
Rejecting Incoming Calls (Do Not Disturb (DND))

You can reject calls using the following method.

SLT and PT



PT



- Depending on the kind of call received, the DND setting will work differently.

Call Type	At your extension	At the other party's extension
Intercom Call	No ring	DND tone
Outside Call at 2 or more extensions (including your extension)	No ring. Informs you with a flashing CO button.	Ringback tone
Outside Call only at your extension	Not received	Busy tone

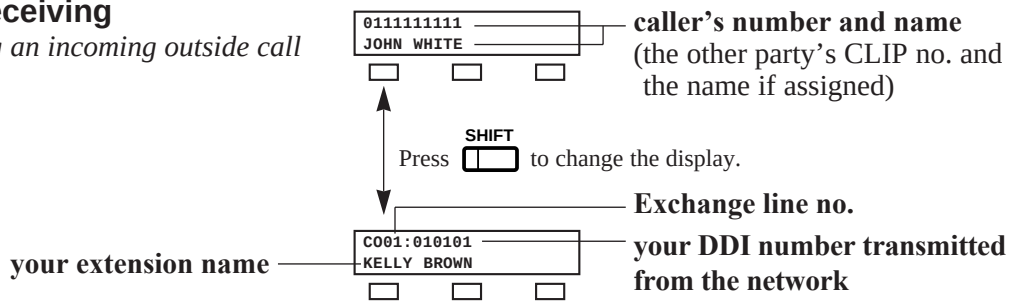
Caller Identification Services

Displaying the Caller's Information (Caller ID)

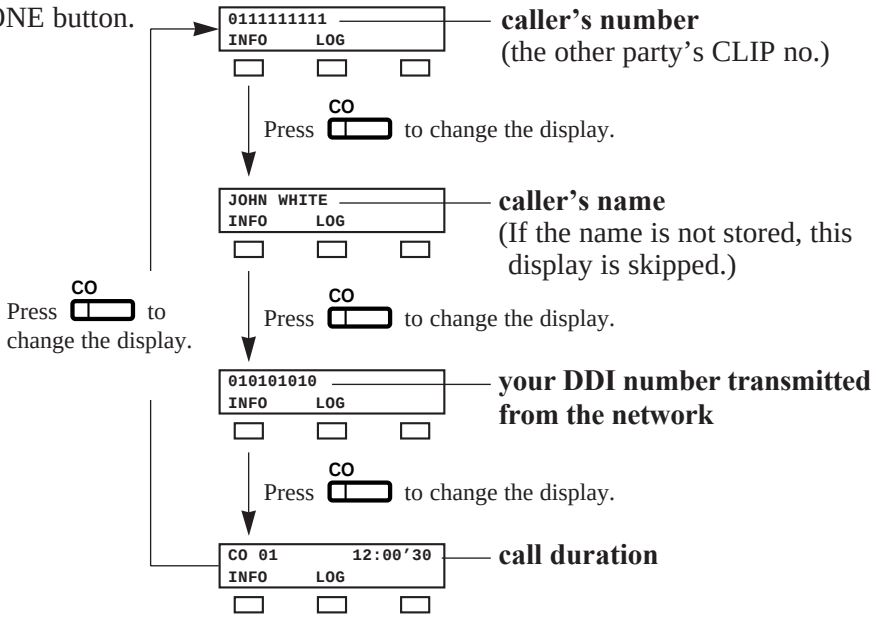
Provides you with the caller's telephone number and name if you have subscribed to the calling line identification service. You can record the caller's telephone number (and name if assigned) into the call log by pressing LOG (S2) button. The sample display is KX-T7230.

Display while receiving

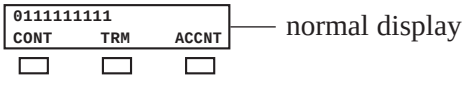
While receiving an incoming outside call



Off hook or press SP-PHONE button.

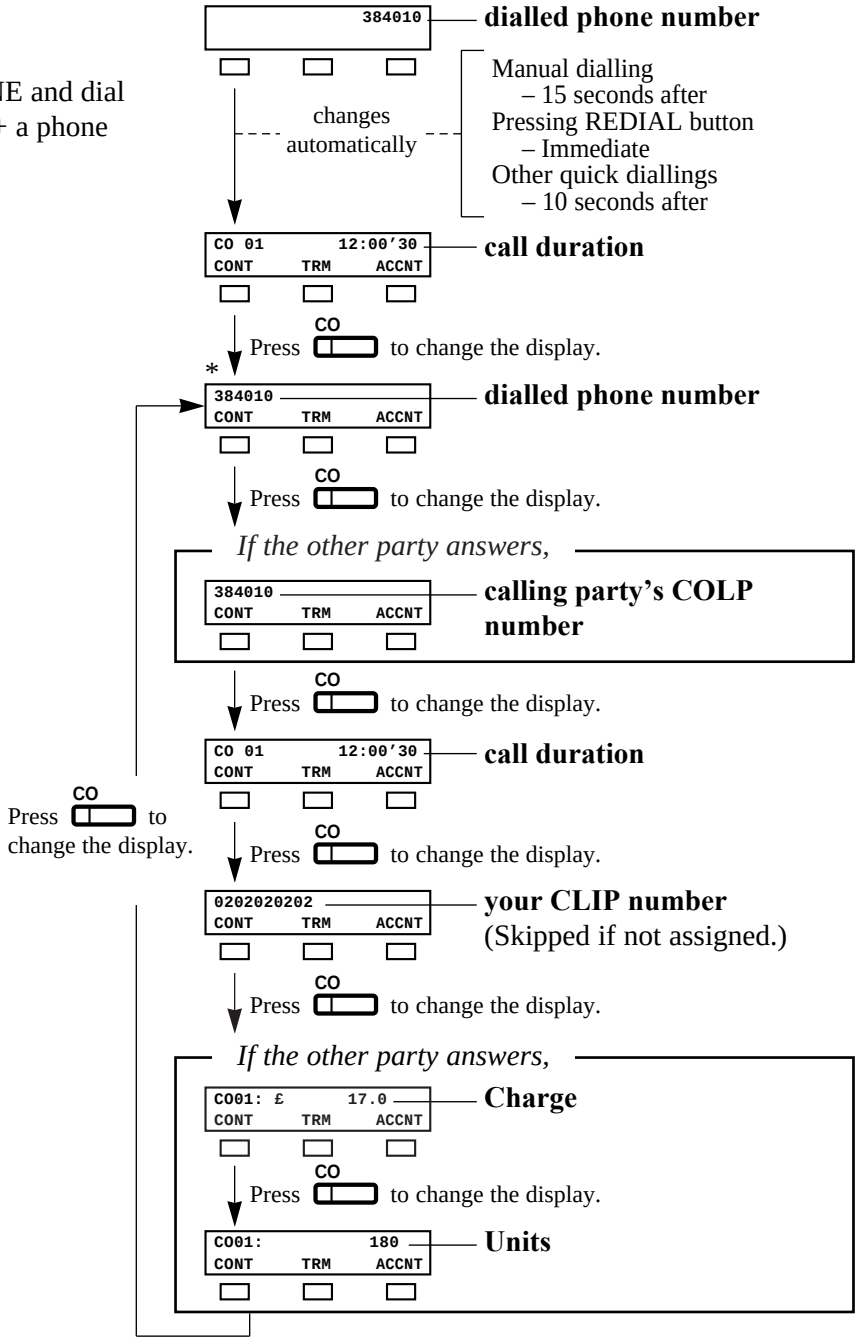


- To indicate the caller's name on the display while receiving a call, the caller's name must previously be stored in the System Speed Dialling using by Personal Computer (PC).
- You can use the **INFO** (S1) button to change the display instead of using the CO button.
- Press SHIFT button to change into the normal display after you go off-hook.



Display while dialling

Off-hook or press SP-PHONE and dial an outside line access code + a phone number.



- If the other party doesn't answer, displays for the other party's COLP number and Charge Information are skipped.
- Your CLIP number is programmable by System Programming [404].
- Before the calling party answers, the other party's COLP number and the charge information are displayed.
- As soon as the charge information is received, the information is shown on the display and the display after this starts from the dialled phone number (*) again. (See the above chart.)
- You can modify and call back the logged numbers. Refer to the "Recording the Caller's Information Automatically (Incoming Call Log).

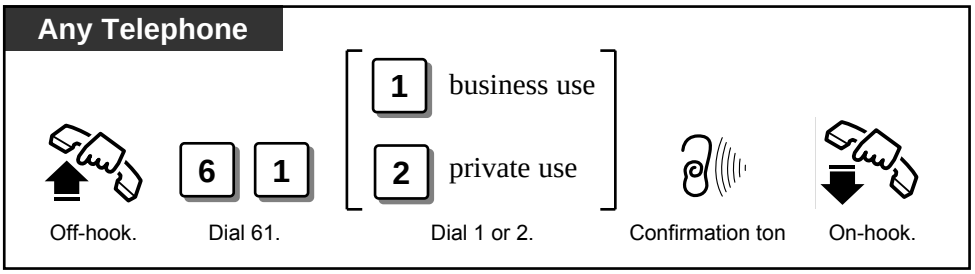
2.6 Others

- System Programming (Section 3.4)
  [107] Charge Indication Selection
- ISDN Port Programming (Section 3.7)
  [404] CLIP / COLP Number Assignment
- System Programming (See page 48 in this manual)
  [902] System Additional Information

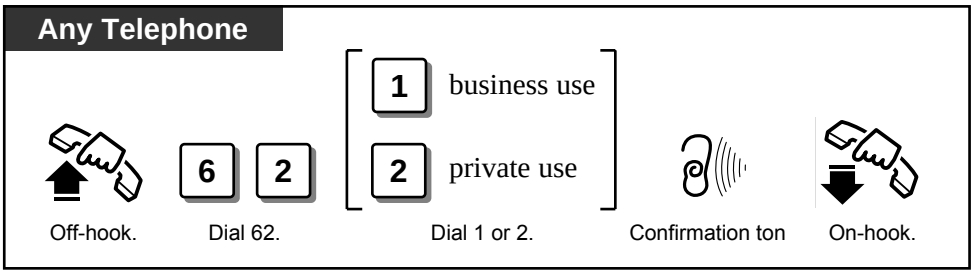
Selecting the CLIP/COLP numbers

You can select the CLIP/COLP numbers to be displayed to the other party depending on business or private use.

Setting the CLIP numbers



Setting the COLP numbers



- Your CLIP number will be displayed if the number is assigned by the System Programming [404].
- Caller Identification (Caller ID) services can be denied depending on your COS level.
- If you select the same setting previously selected, a confirmation tone 2 and dial tone will be sent.

- ISDN Port Programming (Section 3.7)
  [404] CLIP / COLP Number Assignment
- COS Programming (Section 3.8)
  [512] Calling Line Identification Restriction (CLIR)
  [513] Connected Line Identification Restriction (COLR)
- Extension Programming (Section 3.9)
  [601] Class of Service

2.6 Others

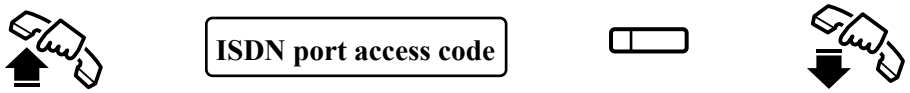
ISDN Network Service Access

Allows you to access a service which is provided by the ISDN network.

Any Telephone

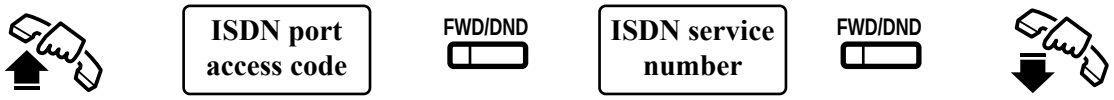
Off-hook. Dial 795. Dial ISDN port number (1, 2). (0···9, ,✳ #, 32 digits max.) On-hook.

PT



Off-hook. Dial ISDN port access code (9, 81···82). Press ISDN service button. On-hook.

PT



Off-hook. Dial ISDN port access code (9, 81···82). Press FWD/DND button. (0···9, ,✳ #, 32 digits max.) Press FWD/DND button. On-hook.

- To use the ISDN service button on a proprietary telephone, you must assign a flexible button as the ISDN service button first.
- You can press a CO button instead of entering an ISDN port access code.
- You can receive a confirmation message from ISDN if the network offers such services.
- You can use the ISDN service button after pressing an exchange line access code or a CO button.
- The availability of this service depends on your ISDN contract.

- Initial Settings (See page 33 in this manual)
  Customising the Buttons on Your Telephone

Accessing Other Networks

SLT	ISDN-T	PT
✔	✔	✔

To access other types of network from the ISDN, sending out DTMF may be needed.
To send out the dialled number in DTMF, you must insert a PAUSE ("＊＊").
Any digits following the PAUSE will be sent as DTMF.

Some examples of services requiring DTMF – Alternative carriers using analogue networks, Electronic banking

- This feature does not work when manually dialling.
- It is necessary to store a PAUSE in either the LCR Carrier Code or Authorization Code.

- Making Calls (Section 2.3)
  - Quick Dialling
  - Redialling
- System Management (Section 3.1)
  - Least Cost Routing (LCR)
- Manager Programming (Section 3.3)
  - [001] System Speed Dialling Number Set
- Timer Programming (Section 3.5)
  - [205] DTMF Sending PAUSE Time
- LCR Programming (Section 3.10)
  - [701] LCR Carrier Code
  - [703] LCR Authorization Code
  - [704] LCR Itemized Bill Code

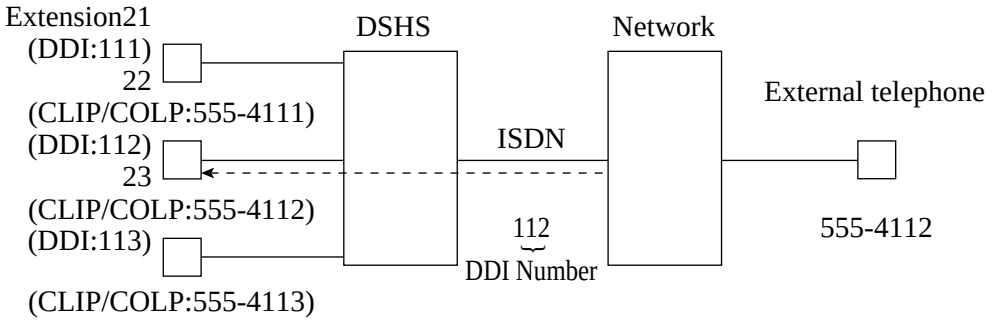
Direct Dialling In (DDI)

SLT	ISDN-T	PT
✔	✔	✔

Allows the external caller to connect to an extension in the system directly. Assignable destinations are: operator, extension, or extension group. This requires a DDI number transmitted from the ISDN network. The DDI number is converted to a specific extension number by using a pre-programmed conversion table.

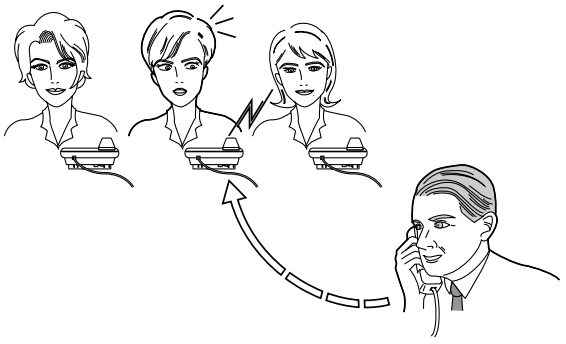
Explanation

1. An incoming call from the ISDN network reaches your DSHS (Digital Super Hybrid System). The ISDN network informs DSHS of the DDI number.
2. DSHS converts the DDI number to an extension number and directs the call to the extension.



- You can store a DDI number (20 digits maximum) by System Programming.
- To reach an extension group, the group must have been previously stored by System Programming.
- If a wrong number is entered, the call will be transferred to the operator.
- It is possible to use DND on a DDI call if the Class of Service permits.

- ISDN Port Programming (Section 3.7)
  - [404] CLIP / COLP Number Assignment
  - [405] Direct Dialling In
  - [412] ISDN DDI Number/Extension Number Transformation
- COS Programming (Section 3.8)
  - [510] Do Not Disturb for Direct Dialling In Call
- Optional Programming (Section 3.12)
  - [902] System Additional Information, Area 1 – Field (04)
  - [903] Received Number Check



Forwarding a Doorphone Call

SLT	ISDN-T	PT
✔	✔	✔

You can automatically transfer an incoming doorphone call to a preset outside destination.

- Even if you set other Call forwarding feature, this setting is available if pre-programmed by System Programming.
- If there is no answer while the call is being forwarded, the forwarding will stop in one minute.
- Toll restriction and other restrictions such as an account code are not available.
- A call is not recorded by SMDR for the Call Forwarding feature.
- There are two different modes for day and night. A different destination can be set in each mode. This feature can be set by System Programming.
- The CLIP number displayed at the destination extension is the number assigned at Extension 21.

- ISDN Port Programming (Section 3.7)
  [404] CLIP / COLP Number Assignment
- Extension Programming (Section 3.9)
  [614]–[615] Doorphone Call Forwarding – Day / Night

[205] *DTMF Sending PAUSE Time*

Assigns the starting time for sending out the DTMF signalling to the ISDN Network.

2 0 5 **X** (1⋯6) #

X – X + 0.5 sec.

DEFAULT 1.5 seconds (1 + 0.5 sec.)
CHANGE _____ seconds

[517] *Call Forwarding by ISDN Service*

Enables or disables the Call Forwarding by ISDN Service function on a Class of Service (COS) basis.

5 1 7 **COS no.** (1⋯4, ✳) **X** (1⋯2) #

X – Selection number: 1 (Enable) / 2 (Disable)

DEFAULT All COS – Disable
CHANGE The Programming Table is on page 61.

[614]–[615] *Doorphone Call Forwarding – Day/Night*

Assigns the destination phone number to the system for forwarding an incoming doorphone call.

6 1 **X** (4, 5) **ISDN port access code** (9, 81, 82) + **destination phone no.** (20 digits max. 0⋯9, ✳) #

X – Program address selection number: 4 ([614] for day) / 5 ([615] for night)

- Enter "✳✳" for a PAUSE. The PAUSE is counted as two digits.
- To delete the current entry, press # after entering the programming address.

DEFAULT Not stored.
CHANGE ISDN port access code + destination phone no.
for day _____
for night _____

[708] *LCR Modify Removed Digit*

Determines how the dialled number should be modified before sending to the exchange line. The digits are deleted from the beginning of the dialled number.

7 0 8 **route no.** (1···4) **number of digits to be deleted** (0···9) #

- Only the numbers assigned in [702] can be deleted even if you assign more digits than these numbers in [708].

DEFAULT All routes – 0 digit (no deletion)
CHANGE The Programming Table is on page 62.

[709] *LCR Modify Added Number*

Determines how the dialled number should be modified before sending to the exchange line. Numbers are added to the beginning of the dialled number.

7 0 9 **route no.** (1···4) **number to be added** (0···9, 20 digits max.) #

- To delete the current entry, press # after entering the route number.
- The ARS Modify Added Number will be added to the number after deleting the digits assigned in programming [708] “ARS Modify Removed Digit”.

DEFAULT All routes – Not stored.
CHANGE The Programming Table is on page 62.

[902] System Additional Information

Explanation for Area 3

Field	Description	Selection	Default	Change	Reference
03	Selects the first information to appear on the display while receiving an incoming call (Ext 21).	**0** : Other party's CLIP no. and name **1** : DDI no. and Ext. name	0		• Caller Identification Services
04	Selects the first information to appear on the display while receiving an incoming call (Ext 22).	**0** : Other party's CLIP no. and name **1** : DDI no. and Ext. name	0		
05	Selects the first information to appear on the display while receiving an incoming call (Ext 23).	**0** : Other party's CLIP no. and name **1** : DDI no. and Ext. name	0		
06	Selects the first information to appear on the display while receiving an incoming call (Ext 24).	**0** : Other party's CLIP no. and name **1** : DDI no. and Ext. name	0		
12	Selects whether a tone or internal music is used for music on hold.	**0** : tone **1** : music	0		
14	Changes all ROT into BT.	**0** : ROT into ROT **1** : ROT into BT	0		• None

Explanation for Area 4

Field	Description	Selection	Default	Change	Reference
05	Selects the destination during the night mode, when the operator number is sent as a Direct Dialling In number.	**0** : DIL 1:N **1** : Operator	1		Direct Dialling In (DDI)
06	Selects the destination during the day mode, when the operator number is sent as a Direct Dialling In number.	**0** : DIL 1:N **1** : Operator	1		Direct Dialling In (DDI)

Other added items

Section of O/I	Feature Title	Item
2.3 Making Calls	**Quick Dialling** Dialling Simply by Pressing a Button (One-Touch Dialling)	Please add the following to the conditions. • If there is a PAUSE in the assigned numbers, the numbers after the PAUSE are sent as DTMF signals.
2.3 Making Calls	**Redialling** Redialling the Last Dialled Number (Last Number Redial)	
2.3 Making Calls	**Redialling** Redialling the Saved Number (Saved Number Redial)	
2.3 Making Calls	**Quick Dialling** Dialling with a System Speed Dialling Button (System Speed Dialling)	Please add the following to the conditions. • The caller's name is programmable by PC programming. To indicate the name on the display while receiving the call, you must store the caller's phone number with '-' (hyphen) after the line access code.
2.3 Making Calls	**Quick Dialling** Dialling with a SAVE Button in Memo (Notebook Function)	Please add the following to the conditions. • When you store a phone number during a conversation, the current ISDN port access code is used. In on-hook status, the ISDN port access code is automatically chosen as '9'.
2.6 Others	**Before Leaving Your Desk** Forwarding a Call (Call Forwarding)	Please add the following to the conditions. • You can use "✳✳"to store a PAUSE. 0 through 9 and ✳ are assignable (Call Forwarding to CO line).
2.6 Others	**Caller Identificatio Services (for KX-T7230 / KX-T7235)** Recording the caller's Information (Incoming Call Log)	Please add the following to the conditions. • While you are using the outside line, your extension also automatically records information about the call. (KX-T7235, KX-T7230, KX-T7431, KX-T7433, KX-T7436, KX-T7420, KX-T7425)
3.1 System Management	**Class of Service (COS)**	Please add the following programming items. 12) Sets Call Forwarding by ISDN Service Please add the following programming address. [517] Call Forwarding by ISDN Service
3.7 ISDN Port Programming	[408]–[409] Extension Ringing Assignment — Day/Night for ISDN	Please add the following to Y, Delayed ringing selection. number 9 (disable) Please add the extension numbers 31...34. The Programming Table is on page 59.

Other added items

Section of O/I	Feature Title	Item
3.10 LCR Programming	[701] LCR Carrier Code	Please add the following to the conditions. • To delete the current entry, press # after entering the route number.
3.10 LCR Programming	[702] LCR Route Selection Code [706] LCR Route Exceptional Code	Please add the following to the conditions. • To delete the current entry, press # after entering the route number.
3.10 LCR Programming	[703] LCR Authorization Code	Please add the following to the conditions. • To delete the current entry, press # after entering the ISDN port number.
3.10 LCR Programming	[705] BTL Access Code [707] LCR Leading Digit Entry	Please add the following to the conditions. • To delete the current entry, press # after entering the programming address.
3.10 LCR Programming	[701] LCR Carrier Code [703] LCR Authorization Code	Please add the following to the conditions. • Enter '＊＊' to pause then send the remaining digits as DTMF.
3.10 LCR Programming	[702] LCR Route Selection Code [706] LCR Route Exceptional Code	Please add the following to the conditions. • ＊ is used as a wildcard character that stands for any digit in a phone number.
3.12 Optional Programming	[902] System Additional Information Area 2 Field 12	To make this assignment effective, you must press the system reset switch after programming.
4.13 Expanding the ISDN Line Connection		Please add the following to the conditions. • The pin number assignment changes depending on how the extension / CO line switch socket is adjusted. (Refer to 4-14 of the Operating Instructions.),

Changed Features

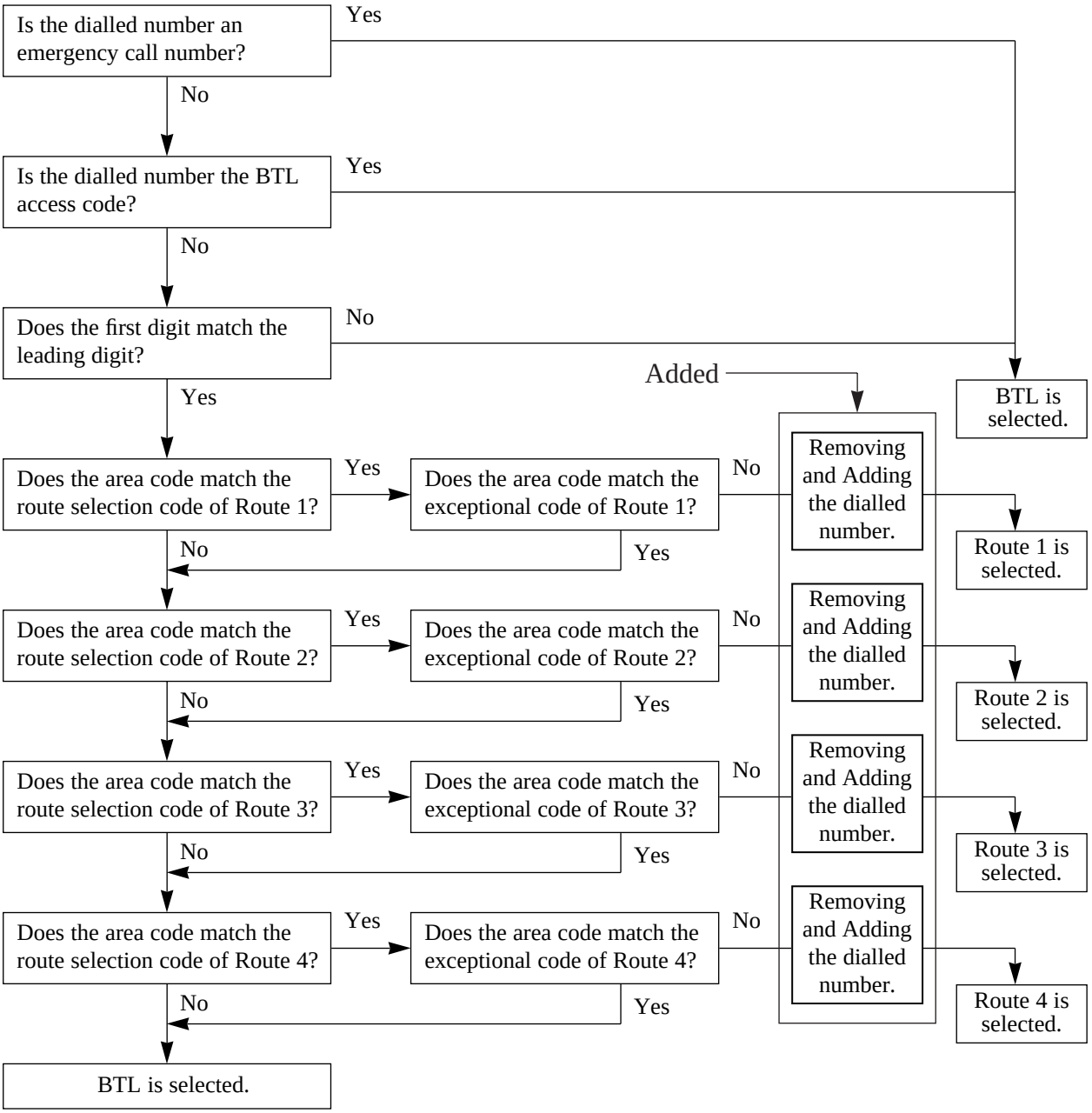
Least Cost Routing (LCR)

SLT	ISDN-T	PT
✔	✔	✔

Least Cost Routing (LCR) is a system programmable feature that automatically selects the least expensive route available at the time a long distance call is made. It is not necessary to dial the access code of the least expensive carrier.

The chart below shows the procedure of the LCR feature.

Flow Chart of LCR


Is the dialled number an emergency call number?
Yes
No
Is the dialled number the BTL access code?
Yes
No
Does the first digit match the leading digit?
No
Yes
Added
BTL is selected.
Does the area code match the route selection code of Route 1?
Yes
Does the area code match the exceptional code of Route 1?
No
Yes
No
Removing and Adding the dialled number.
Route 1 is selected.
Does the area code match the route selection code of Route 2?
Yes
Does the area code match the exceptional code of Route 2?
No
Yes
No
Removing and Adding the dialled number.
Route 2 is selected.
Does the area code match the route selection code of Route 3?
Yes
Does the area code match the exceptional code of Route 3?
No
Yes
No
Removing and Adding the dialled number.
Route 3 is selected.
Does the area code match the route selection code of Route 4?
Yes
Does the area code match the exceptional code of Route 4?
No
Yes
No
Removing and Adding the dialled number.
Route 4 is selected.
BTL is selected.

LCR Programming consists of the following items:

Common Table

(1) **LCR Mode** (Program [700])

This program is used to turn on or off the LCR mode. If turned on, calls are sent to the least expensive route to be used. (Default=Disable)

(2) **BTL Access Code Set** (Program [705])

This program is used to store the British Telecom Line (BTL) Access Code. (Default=121) If the code is dialled, BTL is always selected even if the LCR mode is enabled.

(3) **LCR Leading Digit Entry** (Program [707])

This program is used to store the leading digits of an area code to judge whether to select a route for the LCR feature.

LCR Routing Plan Tables (Routes 1 through 4)

(1) **LCR Carrier Code** (Program [701])

This is used to store each carrier's access code.

(2) **LCR Route Selection Code** (Program [702])

This is used to store area codes used for the LCR feature.

(3) **LCR Authorization Code** (Program [703])

This is used to register an authorization code applied to each ISDN line and each route.

(4) **LCR Itemized Bill Code** (Program [704])

This is used to assign whether to send an itemised bill code of an extension to each ISDN line or not. The itemised bill code corresponds to each extension number 21–28 and 30–34.

(5) **LCR Route Exceptional Code** (Program [706])

This is used to store dialling numbers that are excepted from LCR routing plans of a specified carrier.

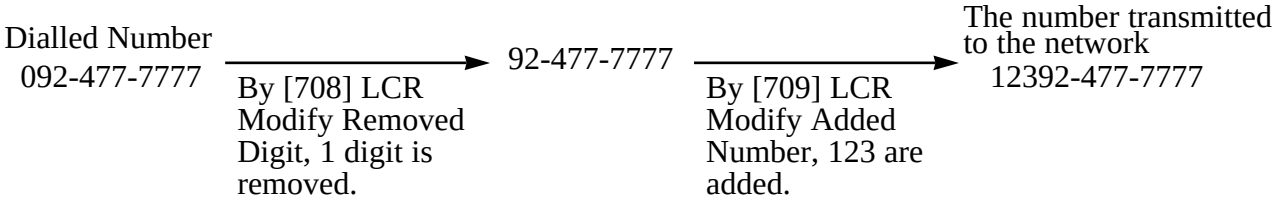
(6) **LCR Modify Removed Digit** (Program [708])

This is used to remove the digits of the dialled number before sending to the exchange line.

(7) **LCR Modify Added Number** (Program [709])

This is used to add the number to the dialled number before sending to the exchange line.

The dialled number is modified for sending out to the least expensive carrier. See below as an example.


Dialled Number
092-477-7777
By [708] LCR Modify Removed Digit, 1 digit is removed.
92-477-7777
By [709] LCR Modify Added Number, 123 are added.
The number transmitted to the network
12392-477-7777

* For the example above, the carrier code, authorization code and itemized bill code are omitted.

- Emergency dial numbers are not applied to LCR and Toll Restriction.
- If you dial the carrier code directly, the numbers you dial after the carrier code will not be affected by either the LCR Modify Removed Digit or LCR Modify Added Number.

- Manager Programming (Section 3.3)
  - [002] Emergency Dial Number Set
- LCR Programming (Section 3.10)
  - [700] LCR Mode
  - [701] LCR Carrier Code
  - [702] LCR Route Selection Code
  - [706] LCR Route Exceptional Code
  - [703] LCR Authorization Code
  - [704] LCR Itemized Bill Code
  - [705] BTL Access Code
  - [707] LCR Leading Digit Entry
- System Programming in this manual
  - [708] LCR Modify Removed Digit
  - [709] LCR Modify Added Number

The whole programming content has been changed except the programming address.

[404] *CLIP/COLP Number Assignment*

Assigns the Calling Line Identification Presentation (CLIP) and Connected Line Identification Presentation (COLP) numbers. You can classify both CLIP and COLP numbers into the business and private modes.

4 **0** **4** **ISDN port no.** **extension no.*** **X** **CLIP/COLP no.** **#**

(1···2, ✳) (1···4, ✳) 20 digits max. (0···9)

* Extension number: 21 through 28, 31 through 34 (standard extension) /
301 through 308 (ISDN extension) /
300 (all ISDN extensions)

X – CLIP/COLP Classification
1 : CLIP no. – Business
2 : CLIP no. – Private
3 : COLP no. – Business
4 : COLP no. – Private
✳: All

- To delete the entry, press # after CLIP/COLP Classification.

DEFAULT All CLIP/COLP numbers – Not stored.
CHANGE The Programming Table is on page 57.

The programming method and conditions have been changed.

[412] *ISDN DDI Number/Extension Number Transformation*

Used to convert a DDI number to an extension number in order to put an incoming DDI call to a specific extension.

4 **1** **2** **ISDN port no.** **extension no.*** **DDI no.** **#**

(1···2, ✳) 20 digits max. (0···9)

* Extension number: 21 through 28 / 31 through 34
/ 291 through 298 (UCD Group or Ring Group)
/ 301 through 308 (ISDN extension) / 300 (all ISDN extensions)

- Please see [903] for your reference.
- To delete the entry, # after entering the extension number.

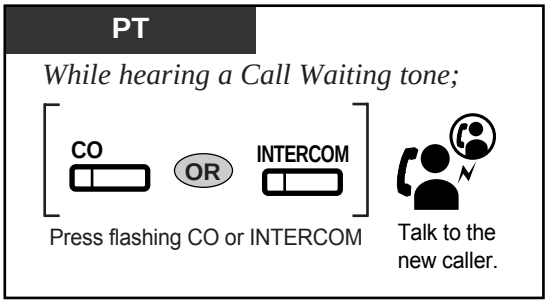
DEFAULT All DDI numbers – Not stored.
CHANGE The Programming Table is on page 58.

Other changed items

Please change the word, Toll Restriction into Call Barring on the following pages.

Section of O/I	Feature Title
P8-9,	Contents
2.3 Making Calls (P2-12, 14) (P2-16)	 **Outside Calling** **Quick Dialling**
2.6 Others (P2-53...54) (P2-67...68)	 **Calling with Account Codes (Account Code Entry)** **Switching the Day/Night Calling Mode (Night Service)**
3.1 System Management (P3-3) (P3-12) (P3-17...22)	 **Class of Service** **Least Cost Routing** **Toll Restriction**
3.4 System Programming (P3-28)	 [101] Account Codes
3.6 TRS Programming (P3-33)	 [300]–[304] TRS Denied Code Entry for Levels 2...6 [305]–[309] TRS Excepted Code Entry for Levels 2...6
3.8 COS Programming (P3-38) (P3-39)	 [500]–[501] Toll Restriction Level — Day / Night [506]–[507] Toll Restriction Level for System Speed Dialling — Day/Night
3.12 Optional Programming (P3-52)	 [902] System Additional Information Area 2 Field 03
3.14 Programming Tables (P3-62) (P3-63)	 [500]–[501] Toll Restriction Level — Day / Night [506]–[507] Toll Restriction Level for System Speed Dialling — Day / Night
5.4 Default Values (P5-10)	
5.5 Specifications (P5-14)	

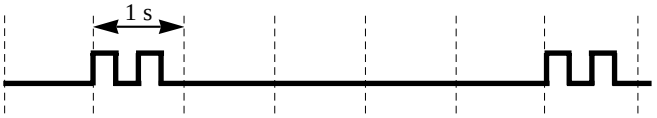
Other changed items

Section of O/I	Feature Title	Item
2.2 Initial Settings	**Customising the Buttons on Your Telephone**	Please change the PROGRAMMING INPUT for the FUNCTION “Log-in/Log-out” from “8” into “80”.
2.3 Making Calls 2.3 Making Calls 2.3 Making Calls	**Quick Dialling** Dialling with a Station Speed Dialling Button (Station Speed Dialling) Dialling Simply by Going Off-Hook (Pickup Dialling) Dialling the Stored Number with a SAVE Button (Notebook Function)	Please replace as follows in the conditions; •....Enter “＊＊” for a “-” (hyphen). ↓ • Enter “＊＊” for a PAUSE. • If there is a PAUSE in the assigned numbers, the numbers after the PAUSE are sent as DTMF signals.
2.3 Making Calls	**Quick Dialling** Dialling with a SAVE Button in Memo (Notebook Function)	Please change as follows. • When you store the phone number, you don’t have to dial ISDN port access code (9, 81or 82). • The ISDN port access numbers are ‘9’,’81’ and ‘82’.
2.5 During a Conversation	**Transferring Calls**	For the operation, Transferring a Call to CO Line (Call Transfer — to CO Line), you must perform the following operations, Wait for an answer and Announce, even though the manual states “Omit if not necessary.” Please execute in proper order.
2.5 During a Conversation	**Call Waiting**	If the operation below is performed, the current call will be held instead of being terminated. 
2.6 Others	**Alarm Setting (Timed Reminder)**	Please add the following condition; • If you receive an incoming call, ringing starts after the alarm stops sounding. ↓ • If you receive an incoming outside call in the 1:N status during the alarm, the ringing starts after the alarm stops sounding.

Other changed items

Section of O/I	Feature Title	Item
2.6 Others	**Charge Fee Reference**	Please change the PROGRAMMING INPUT for both SLT and PT. Sets the new rate (0. XX Pound) **new rate (XX)** (2 digits) ↓ Sets the new rate (XXXXXXXX Pound) **ISDN port no.** (1···2, ✳) **new rate (XXXXXXXX)** (The decimal point is a floating digit.)
2.6 Others 3.1 System Management 3.12 Optional Programming	**Privacy Feature** **System Data Default Set** [901] System Data Clear Except ISDN Data	Please change the name of the following programming address [404] Subscriber Number Assignment ↓ [404] CLIP/COLP Number Assignment
2.7 Display Operation with the KX-T7235	**Display Operation for FWD/DND**	Please change the display as follows. • `Do Not Disturb (→0/ext)` ↓ `Do Not Disturb (→ext)`
3.1 System Management	**Station Message Detail Recording**	Please change "Cost;£" in the printout example. Cost:£ 00012.00 00000.00 00000.00 00000.00 00000.00 00017 ⋮ (8) → Cost:£ 12.00 0.00 0.00 0.00 0.00 17 ⋮ (8)
3.1 System Programming	[000] Date and Time Set	Please change as follows. Default 1 Jan '97 WED 00:00 ↓ 1 Jan '99 FRI 00:00

Other changed items

Section of O/I	Feature Title	Item
3.1 System Programming	[001] System Speed Dialling Number Set	Please change the condition as follows. • Up to twenty-four digits, consisting of “0 through 9” and “✳,” can be stored. Enter “✳✳” for a “-” (hyphen). ↓ • Up to twenty-four digits, consisting of “0 through 9” and “✳,” can be stored. Enter “✳✳” for a PAUSE.
3.10 LCR Programming	[702] LCR Route Selection Code	Please change the DEFAULT value. DEFAULT All routes – All area no. – Not stored ↓ DEFAULT Route 1 – area 00 – ✳✳✳✳✳ Other routes – other area no. – Not stored
3.10 LCR Programming	[707] LCR Leading Digit Entry	Please change the DEFAULT value from “0” into “Not stored”.
3.10 LCR Programming	[702] LCR Route Selection Code [706] LCR Route Exceptional Code	Please change the area no. into (00...79). Please change the maximum digits of the area code from 6 to 7.
3.13 PC Programming	File Configuration	Please change as follows. Database file: *.DBE ↓ Database file: *.DBG
5.1 Tones / Ring Tones	TONE	Please delete the Ringback Tone 2. Please add the following tone pattern.  Call Hold Tone

3.14 Programming Tables

[404] CLIP/COLP Number Assignment				
Default : all	Not Stored			
	CLIP no. (Business)		CLIP no. (Private)	
	Port 1	Port 2	Port 1	Port 2
All				
Ext. 21				
22				
23				
24				
25				
26				
27				
28				
31				
32				
33				
34				
300 or 30				
301				
302				
303				
304				
305				
306				
307				
308				

[404] CLIP/COLP Number Assignment				
Default : all	Not Stored			
	COLP no. (Business)		COLP no. (Private)	
	Port 1	Port 2	Port 1	Port 2
All				
Ext. 21				
22				
23				
24				
25				
26				
27				
28				
31				
32				
33				
34				
300 or 30				
301				
302				
303				
304				
305				
306				
307				
308				

[412] ISDN DDI Number/Extension Number Transformation		
Default : all	Not Stored	
	DDI no. (Port 1)	DDI no. (Port 2)
All		
Ext. 291		
292		
293		
294		
295		
296		
297		
298		
300 or 30		
301		
302		
303		
304		
305		
306		
307		
308		

[412] ISDN DDI Number/Extension Number Transformation		
Default : all	Not Stored	
	DDI no. (Port 1)	DDI no. (Port 2)
All		
Ext. 21		
22		
23		
24		
25		
26		
27		
28		
31		
32		
33		
34		

3.14 Programming Tables

		[408] Extension Ringing Assignment – Day for ISDN															[409] Extension Ringing Assignment – Night for ISDN													
MSN Loc No.	Extension No.	All ISDN ports					ISDN port 1					ISDN port 2					All ISDN ports					ISDN port 1					ISDN port 2				
		0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9
01	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
	Ext. 21																														
	22																														
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	33																														
	34																														
02	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
	Ext. 21																														
	22																														
	23																														
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	31																														
	32																														
	33																														
	34																														

<Note> 0 : immediate, 1 : 1 ring delay, 3 : 3 ring delay, 6 : 6 ring delay, 9 : disable

3.14 Programming Tables

		[408] Extension Ringing Assignment – Day for ISDN															[409] Extension Ringing Assignment – Night for ISDN														
MSN	Extension	All ISDN ports					ISDN port 1					ISDN port 2					All ISDN ports					ISDN port 1					ISDN port 2				
Loc No.	No.	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9
03	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
	Ext. 21																														
	22																														
	23																														
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	27																														
	28																														
	31																														
	32																														
	33																														
	34																														
04	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
	Ext. 21																														
	22																														
	23																														
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05	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
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<Note> 0 : immediate, 1 : 1 ring delay, 3 : 3 ring delay, 6 : 6 ring delay, 9 : disable

3.14 Programming Tables

MSN Loc No.	Extension No.	[408] Extension Ringing Assignment – Day for ISDN															[409] Extension Ringing Assignment – Night for ISDN													
		All ISDN ports					ISDN port 1					ISDN port 2					All ISDN ports					ISDN port 1					ISDN port 2				
		0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9
06	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
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07	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
	Ext. 21																														
	22																														
	23																														
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08	Def. : all	✓					✓					✓					✓					✓					✓				
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<Note> 0 : immediate, 1 : 1 ring delay, 3 : 3 ring delay, 6 : 6 ring delay, 9 : disable

	Selection	Default	COS No.				
		All COS	All COS	COS 1	COS 2	COS 3	COS 4
[517] Call Forwarding by ISDN Service	Enable						
	Disable	✓					

3.14 Programming Tables

		[408] Extension Ringing Assignment – Day for ISDN															[409] Extension Ringing Assignment – Night for ISDN														
MSN Loc No.	Extension No.	All ISDN ports					ISDN port 1					ISDN port 2					All ISDN ports					ISDN port 1					ISDN port 2				
		0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9	0	1	3	6	9
09	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
	Ext. 21																														
	22																														
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10	Def. : all	✓					✓					✓					✓					✓					✓				
	All exts																														
	Ext. 21																														
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	33																														
	34																														

<Note> 0 : immediate, 1 : 1 ring delay, 3 : 3 ring delay, 6 : 6 ring delay, 9 : disable

	[701] LCR Carrier Code	[708] LCR Modify Removed Digit	[709] LCR Modify Added Number
	Carrier code10 digits max.	0...9 digits	0...9, 9 digits maximum
Default: all	Not stored	0 digit	Not stored
Route 1			
Route 2			
Route 3			
Route 4			

	[703] LCR Authorization Code		
	Authorization code (20 digits max.)		
	All ISDN ports	ISDN Port 1	ISDN Port 2
Default: all		Not Stored	
Route 1			
Route 2			
Route 3			
Route 4			

3.14 Programming Tables

	[702] LCR Route Selection Code			
Area No.	Area Code (7 digits max.)			
	Default : All – Not Stored			
	Route 1	Route 2	Route 3	Route 4
00				
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
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3.14 Programming Tables

Area No.	[702] LCR Route Selection Code			
	Area Code (7 digits max.)			
	Default : All – Not Stored			
	Route 1	Route 2	Route 3	Route 4
40				
41				
42				
43				
44				
45				
46				
47				
48				
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50				
51				
52				
53				
54				
55				
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3.14 Programming Tables

	[706] LCR Route Exceptional Code			
Area No.	Area Code (7 digits max.)			
	Default : All – Not Stored			
	Route 1	Route 2	Route 3	Route 4
00				
01				
02				
03				
04				
05				
06				
07				
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09				
10				
11				
12				
13				
14				
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38				
39				

3.14 Programming Tables

Area No.	[706] LCR Route Exceptional Code			
	Area Code (7 digits max.)			
	Default : All – Not Stored			
	Route 1	Route 2	Route 3	Route 4
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
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